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31ST *Will H. Tracy, Sr.*
CATALOG

WERNICH SEED CO.

Washington of Agriculture
27-29 Juneau Ave.

MILWAUKEE, WIS.

1910



These 5 Packages

Cabbage, Holland	.....10c	Beets, Early Market	.....5c
Peas, Nott's Excelsior	.....5c	Carrots, Danvers	.....5c
Sweet Corn, Peep O' Day	5c		

for 25c

OUR SILENT SALESMAN

Milwaukee, Wis., Jan. 1st, 1910.

To Our Friends and Patrons:

For the thirty-first time in as many years, this Book—"Our Silent Salesman"—is making its annual visit to each of our thousands of customers, with the Compliments of the Season, and the expressed wish that it will be a productive as well as a profitable one—and such it must be if good seeds be sown. "Good Seeds Promote Long Friendship" is a saying that has proven itself true in our business, for there are names on our books, dating back over twenty years. It is always a pleasure to us during our busy spring season, when in going over our daily orders, to find the names of customers who have been buying our seeds almost annually since the first few years of existence of our business. This loyalty on the part of such lifelong customers convinces us that the quality of our seeds has been appreciated, which is encouraging for us to go on, and, if possible, to do even better than ever in their behalf.

"Our Silent Salesman," a Modest Catalogue with Honest Descriptions. Our Catalogue does not exaggerate. The illustrations are not misleading. The descriptions are true and say too little rather than too much. All the seeds we offer have been thoroughly tested. Our novelties are all of known merit. We have no untried experiments for our customers, nothing to disappoint. We know our Seed Business thoroughly and pledge our reputation on whatever we tell you.

We do not issue a special Market Gardeners list, instead we allow all Market Gardeners a discount of 10 per cent on Vegetable and Flower Seeds.

In closing, we desire to state that we appreciate Early Orders and lots of them. Thanking you for your past patronage and hoping for a continuance of same, we remain,

Yours for "Good Seeds,"

WERNICH SEED CO.

A FEW THINGS TO REMEMBER.

ORDER EARLY—"In time of winter prepare for spring." Order early, and have your seeds on hand when it is time to sow.

ADDRESS—No matter how often you order, always give your Name, Postoffice, County and State in full. When Freight or Express Office is different from Postoffice give both.

REMITTANCES—Cash with Order. Remittances may be made at our risk by Draft, Money Order, or Cash by Express, or in registered letter.

SEEDS POSTPAID—We deliver free all Seeds. (Ozs., ¼ Lbs., Lbs., Pints and Quarts), Plants, Bulbs, etc., at prices quoted, excepting where otherwise noted.

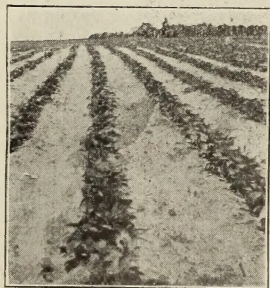
SHIPPING—When customers do not state clearly how and where to ship, we use our own discretion.

SAFE ARRIVAL—We endeavor to secure the safe arrival of packages in every case. If packages do not arrive in due time, please notify, and we will at once trace the same. Except where noted, we make no charge for packing.

ERRORS—We are very careful in executing our Orders, yet in the rush of business in our busy season, errors sometimes occur, in which event we wish to be promptly notified, and we will rectify.

GUARANTY—Complaints made that seeds are not good cannot always be attributed to the quality. There are hundreds of causes other than poor quality to prevent the best of seeds from always giving satisfaction; such as sowing too deep, too shallow, in too wet or too dry soil, insects of all descriptions destroying the plants as soon as or before they appear, wet or cold weather, frost, changes in the seeds, induced by temperature, etc., therefore, while we exercise the greatest care to have all seeds reliable we do not give any warranty, expressed or implied, and we will not in any way be responsible for the crop.

Bigger Crops and Large Yield For less than \$2 an acre



Nitragin used.



Nitragin not used.

Alfalfa

Clover

Peas

Beans

Vetch

By

Nitragin

**Alfalfa 400 per cent Gain.
Which Pile do You Want?**

on **E. F. Vandercuil's Farm**
Black River Falls, Wis., in 1909

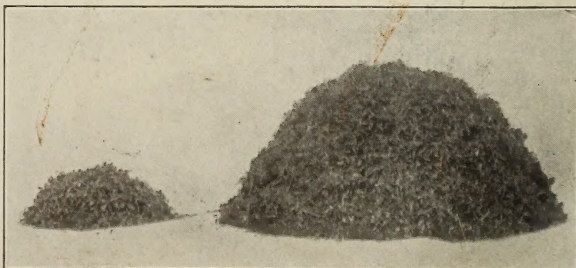
Cost: 1 Acre \$2.00
5 Acres 8.50

Results Guaranteed

FOR SALE BY

Wernich Seed Co.

Write for Circular.



Write for Booklet and Testimonials.

WERNICH SEED CO., MILWAUKEE, WIS.

While we exercise the greatest care to have all Seeds, Bulbs and Plants pure, true and reliable we do not give any warranty expressed or implied. If the purchaser does not accept these goods on these terms and conditions they must be returned at once, and the money that has been paid for same will be refunded.

VERY IMPORTANT.—Write your name very plainly, and give your Post Office, County and State in full every time.

Gardener's Name.....

Cash - \$.....

Transferred.....

Please forward Goods by { Mail, Freight }
or Express {

Please read How to Order (inside cover page) before ordering, and avoid any misunderstanding.

PLEASE CARRY OUT PRICE OF EACH ITEM.

Amount Carried Forward.

**IF YOU KEEP POULTRY—WRITE FOR OUR POULTRY SUPPLY CATALOGUE BOTH
BEES—WRITE FOR OUR BEE SUPPLY CATALOGUE FREE**

**BOTH
FREE**

PRICE

Brought Forward

Dollars	Cents
---------	-------

DO YOU GROW FOR MARKET USE?..... OR BOTH? **TOTAL**

TOTAL

 We will consider it a special favor if you write below the names of some of your friends who are likely to use seed.

NAMES

Post-Office

Rural Route
or
P. O. Box

County

State

NOVELTIES AND SPECIALTIES FOR 1910.

REGENERATED SWEDISH SELECT OATS FROM CANADA.

"THE GREATEST OAT ON EARTH."

This variety was sold in America for the first time last year. It originated with The Garton Seed Company of England, Scientific Breeders of Pedigree Cereals. To "regenerate" is practically to breed afresh. The necessity for regeneration is obvious to all practical agriculturists, as when new breeds of plants are raised from cross-fertilized seed the tendency is after the lapse of a few years to deteriorate. This is strikingly shown in the different varieties of potatoes which succeed for a few years, then fall out of cultivation, to give place to other sorts of more recent origin. This is exactly what occurs in all other new breeds of farm plants which are produced by means of artificial fertilization. In the case of new breeds of grain this deterioration is caused by nature's system of continual in-and-in breeding. To arrest this deterioration and bring these new breeds back to their original productiveness, the Gartons have adopted a unique and wonderfully successful method of "Cross Breeding." The system is each year applied to a number of individual florets, and from the grains thus produced a stock is raised which is termed "Regenerated."

Swedish Select was chosen by the Gartons in carrying on this "Regenerating" work with the purpose of producing a variety that would be the one best adapted to American conditions, as that is generally accepted as the best variety we have in the United States. They have worked on this variety for several years, and the results have been something wonderful.

They have produced oats that grow six feet high, with strong, stiff straw, that yield 25 per cent more than the original Swedish Select and heavier than anything ever seen in this Country.

The regenerated Swedish Oats, which we offer this year, was grown in Canada and it is our opinion that this stock is even better for sowing here than the original English stock, because they have had one year in which to become acclimated.

Our Stock of this Oats is limited, would advise therefore to order early. Price, 1b. 30c; 3 lb. 70c postpaid. Not prepaid, peck 60c; bu. \$1.75; 2½ bu. \$4.25; 5 bu. \$8.25; 10 bu. \$16.00.

REED'S GOLDEN GEM POTATO.

The Potato of Quality.

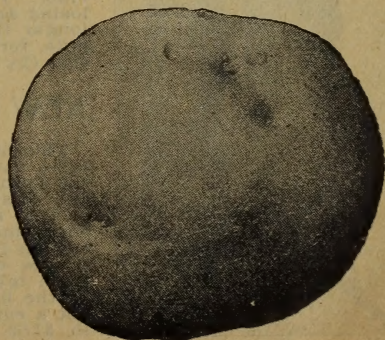
Absolutely New and offered this year for the first time.

Read's Golden Gem Potato is a vigorous growing, medium early variety, vines grow more or less erect, and are profusely covered with fine, healthy, dark green foliage, the stalks being somewhat dark colored. It is a very shy blossomer and the flowers are nearly blue. It yields heavy crops of the handsomest, most uniform and beautifully formed tubers (of which the engraving gives a good representation.) Skin occasionally a trifle russety (which is nature's first mark of good quality) but very smooth and of a light, golden color, with few eyes, which give it a very attractive appearance; flesh a light golden color, finest grain, most nutritious, floury and richest in flavor and different and much better than all other kinds. Baked or boiled it

always cooks through quickly and evenly even when first dug.

Is never hollow or soggy and retains its good qualities until very late the following summer. It weighs more than any other sort in proportion to size and should always be sold by weight. It has never been known to rot or scab and side by side with all the leading standard sorts it has always resisted blight and other diseases the best. It is superior to either of its parents and possesses more valuable new qualities than any variety heretofore introduced. It marks the limit in potato improvement for all-around qualities and especially in fineness of its grain.

We guarantee all of the seed of Read's Golden Gem Potatoes we sell this year, to come direct from him. Postpaid, 1b. 45c; 2 lb. 75c; 4 lb. \$1.45; 8 lb. \$2.60. Not prepaid, 1b. 35c; 2 lb. 60c; 4 lb. \$1.10; 8 lb. \$1.90; pk. \$3.20; ½ bu. \$5.90.



NOVELTIES AND SPECIALTIES FOR 1910.

SPINACH

Vaughan's Triumph

In this new Spinach we have a compact growing variety of the best quality that withstands hot weather longer than other kinds. Contrasted with the older sorts, the plants are somewhat smaller, and habit of growth is prostrate instead of upright. The leaves are thick and warty, and do not wilt or run to seed so quickly as do the standard varieties. By its use, the Spinach season may be lengthened a whole month. We anticipate great popularity for it, as it is not only long standing but is also superior in quality. This was found by our representative in Europe two years ago. Similar to "Long Season" variety. Pkt. 5c; oz., 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid.



Spinach—Vaughan's Triumph.

The Bush Bean with a Pole Pod.

New Monster Stringless Beans.

This is a fine, new stringless Wax Bean, which produces the largest pod of any Bush Bean, and has the additional value of being unsurpassed in quality. The pod is wide, fleshy and very thick, almost an inch wide, $\frac{1}{2}$ inch thick and 5 to 8 inches in length. The color is a light, handsome yellow. The vine is hardy, productive and on the rich prairie soil of the West, grows to perfection. This bean, for the private garden, is unsurpassed, and as an exhibition sort is not equaled. Pkt. 10c; pt. 33c; qt. 65c Postpaid. Not prepaid, pt. 25c; qt. 50c.

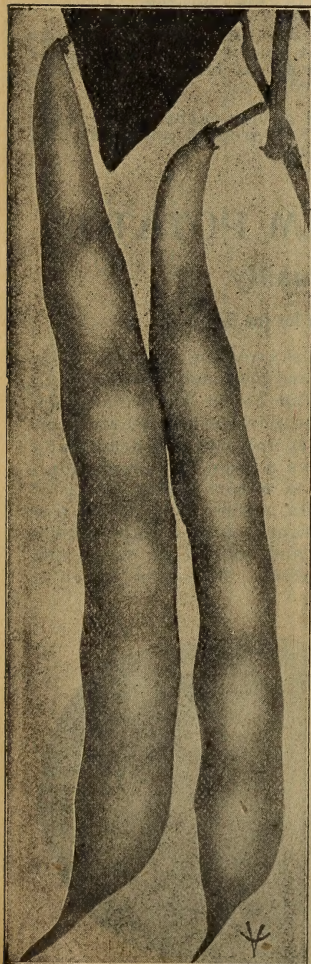
The New Dwarf "Gradus" Pea, Laxtonian.

The largest podded early dwarf variety. A new variety which has created a remarkable sensation in this country and abroad.

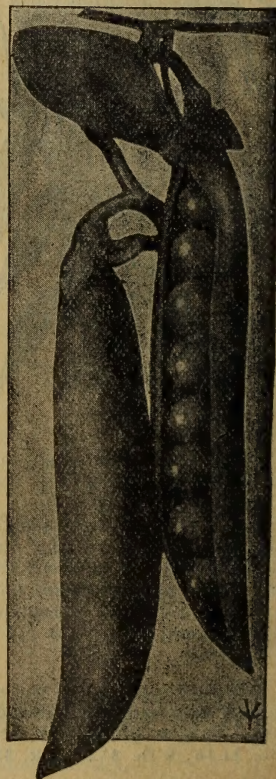
The Laxtonian Pea matures three days later than Nott's Excelsior, and produces pods as large as Telephone. Five to seven pods of dark green color, well filled with eight to nine peas of a flavor equalling Gradus or Telephone, are borne on a single vine. These peas may be used without losing any of their delicious quality a week longer than other early sorts. Pkt. 15c; 2 pkts. for 25c; $\frac{1}{2}$ pt. 35c; (by mail, 39c); pt. 65c; (by mail, 70c).

NEW BEET—Vaughan's Fireball.

This new Beet is perfectly globe shaped, extra early in season. The skin is smooth, the flesh is solid with a very sweet flavor, and of a bright intense red color. The tap root is tiny and the leaf stalks are quite small, making it valuable for early and late sowing in frames. It is also very desirable in the open ground where it retains its fresh table quality better than most beets. In the home garden, it is absolutely without a superior. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00 postpaid.



Monster Stringless Wax.



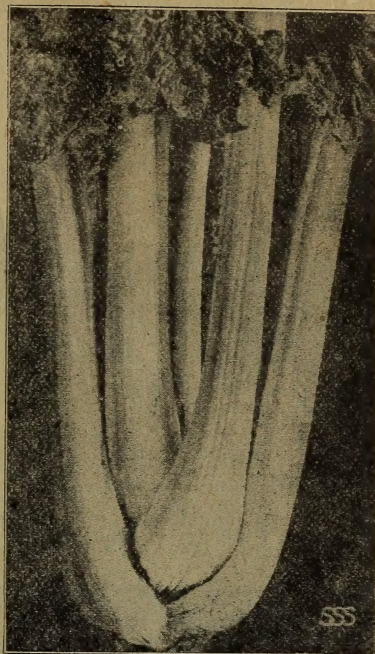
Laxtonian.

NOVELTIES AND SPECIALTIES FOR 1910.

New Swiss Chard, or Spinach Beet

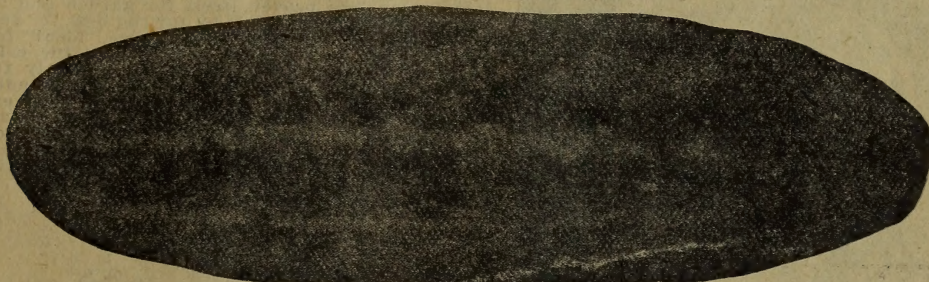
"Giant Lucullus"

The Swiss Chard is growing more popular as a vegetable each season. This new variety is a great acquisition. The stalks are as thick and broad as rhubarb. The plants grow to a height of from 2 to 2½ feet, and the stalks are from 10 to 12 inches long below the leaf. These stalks are delicious when cooked and should be served in the same manner as stewed celery and asparagus. The leaf portion of the "Giant Lucullus" is heavily crumpled or savoyed and is very crisp and tender. The leafy portion of the foliage is cooked and served in the same manner as spinach. The leaves and stalks, being served as separate vegetables, afford two distinct dishes from the same plant at one time. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25; by mail postpaid.



Davis Perfect Cucumber

This very desirable new sort, originated with one of the largest market gardeners near Grand Rapids, Mich. In color, a dark, glossy green; shape, slim and symmetrical, with an average length of ten to twelve inches. They hold their color until nearly ripe when they turn white. The quality is fine, as the seeds are very soft when the cucumber is fit for table use, is very tender and brittle and of exceptionally good flavor. Another strong point of merit is its splendid shipping qualities. It seems to hold its color and brittleness long after being cut. On account of its being such a strong grower it is able to resist the cucumber disease which works destruction among so many of the best forcing varieties. It is as early as the earliest strain of White Spine and it out-yields by far this standard sort. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.20.



Davis Perfect Cucumber.

ALABASTER CUCUMBER.

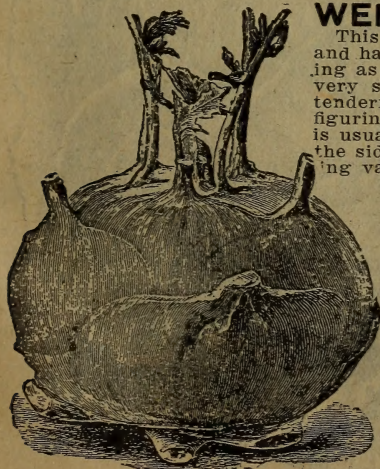
This new cucumber is of enormous size, it averages 24 inches, some are even larger. They are perfectly smooth and of handsome shape. The seed space is extremely small, and they have very little seed, it seems that they have only flesh which is firm and crisp and of delicious flavor. Their color is almost white, like alabaster. It is very productive and a prize-winner wherever it is exhibited. The seed was introduced from Germany last year and is offered in this country for the first time. Pkg. 10c; oz. 25c.

WERNICH'S EARLY MARKET KOHLRABI.

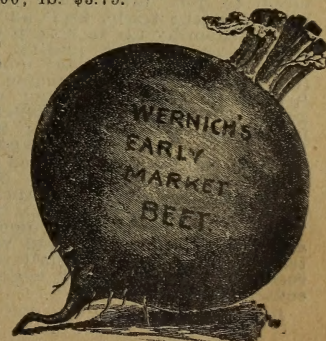
This new introduction has been tested by market and private gardeners, and has come out of every trial with honors. It is the finest sort for forcing as well as for field planting. It is round like an apple in shape; skin very smooth and thin; leaves few but very erect; flesh unsurpassed in tenderness, purity and exquisite flavor. The leaves do not show the disfiguring swellings and indentations where they sprout from the head as is usually the case. As the foliage rises almost perpendicular and not to the side it can be planted as close between rows as the small-leaved forcing varieties. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.75.

WERNICH'S EARLY MARKET BEET.

This is undoubtedly one of the best Novelties ever introduced. Market gardeners will do well to give this beet a trial. It is very early, nearly as early as Egyptian and greatly surpasses that variety in flavor. The color is a rich, dark red, and the shape is globular. It is fine grained in texture and has a small top. It is free from side or fibrous roots. It is excellent for forcing, for a main spring and summer crop, or for use in winter, as it is a good keeper. It is in every way a standard sort for the market or home gardener. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.



Early Market Kohlrabi.



NOVELTIES AND SPECIALTIES FOR 1910.

TOMATO

LIVINGSTON'S NEW CORELESS.

The most perfect shaped canning variety ever produced. Large size, globe shaped, full at stem end, bright red, a strong grower and big cropper.

In shape it is almost round, being of about the same diameter each way as shown in our illustration. The depression at the stem end has been almost eliminated, making it the most profitable variety for canning, owing to a very small amount of waste. It is immensely productive, clusters of four to seven fruits are produced at six to eight inches apart along the stem. All of the fruits are of marketable size, and many of them are quite large, twelve to fifteen ounces. Always free from green core; ripens all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded

by bright red, heavy, meaty and delicious flesh, which is slightly more acid than the Livingston's Globe. The strong outside and inner walls of flesh of the Livingston's Coreless render it a very firm fruit and one of the best for long distance hauling or shipping.

Offered this season in packets only. Packet 10c; 3 packets 25c; oz. 50c, postpaid.



HEAD LETTUCE "IDEAL."

What the May King Lettuce, which we introduced last season, has proven itself for garden and freeland culture, namely, that it is by far the best for such purposes, that is this new head lettuce "Ideal" for forcing, because it is 8 days earlier than the celebrated "Kaiser" Forcing Lettuce, and consequently the very earliest of all forcing lettuces. Notwithstanding this fact, the head is very firm and of the most exquisite quality. The heads are of such well rounded and perfect shape that it is a delight to look at a bed where the Ideal lettuce is grown. The leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor.

Price, package 10c.

THE NEW RED CABBAGE OTHELLO.

"Deep Black Red Brunswick Giant."

This New Red Cabbage, which we offer this year for the second time, is calculated to put into shade every variety known in the trade, as it surpasses every one of them by far in size, productiveness, solidity and keeping quality.

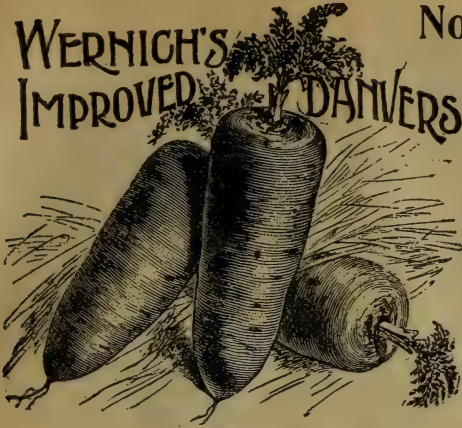
It has all the superior qualities of the true variety of the Largest Flat White Brunswick Cabbage, being of the same great size as the latter, which exceeds by far all known varieties of Red Cabbage. It has also the same shape, forming a smooth, flat, slightly arched head, is exceedingly firm, deep glossy black-red and is the best keeper during the winter.

These qualities mark the Cabbage "Othello" as the largest, most productive, and best keeping dark red variety in the trade. Seed crop is small; we therefore recommend early orders, which will be executed in rotation.

Price, per pkt. 10c; oz. 25c.



WERNICH'S IMPROVED DANVERS



Novelties and Specialties for 1910.

WERNICH'S IMPROVED DANVERS

The Market Gardener's Carrot.

Undoubtedly the best carrot for general crop and esteemed by market gardeners for its handsome tapering form and rich dark orange color. The seed we offer is grown from carefully selected stock. Wernich's Improved Danvers is far superior to the well-known Danvers in shape, color and general appearance, while the flesh is tender and sweet. It is almost entirely free from core, and as a cropper outyields all Carrots we know of. An excellent bunching carrot for market. Will grow on all kinds of soil, and as a keeper has no equal. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1b. 75c.

BURRELL GEM MUSKMELON.

The New Rockyford Cantaloupe with Golden Meat.

Mr. Burrell, the originator of this melon, writes about it as follows:

"The Burrell Gem is a combination of the characteristics of the following varieties: Osage, Defender, Rockyford and Acme, and more particularly the Defender and Acme. It has a tough, thin rind, well arched ribs covered with a closely laced and interlaced gray netting. Shape, quite elongated—the diameter from stem to blossom being one-third more than from top to bottom. Meat, of a reddish orange, very thick, fine grained and spicy. Seed cavity, small and triangular, the seed closely held in place in three lobes."

The average weight is 2¼ lbs., the length 6 inches, and the thickness 4½ inches.

The demand for them is established, and the planter who grows them will have an inside chance with the trade." Pkt. 5c; oz. 10c; ¼ lb. 30c; 1b. \$1.00.



Newest Climbing Rose Veilchenblau BLUE ROSE.

Violet-blue Seedling from Crimson Rambler.

After years of effort rosarians have been rewarded by the production of a blue rose, which will be welcomed with the greatest interest by all lovers of the garden. This new climbing rose surpasses all others of recent introduction in having a pure blue color.

The flowers appear in large clusters, after the manner of the Crimson Rambler, are semi-double and of medium size. Upon first opening the color is partly bright red and partly bright rose, turning soon to a steel blue. The color is best described by saying that it resembles that of early violets. This variety is a strong grower, has shining green foliage and few thorns. It has not been troubled by mildew and is classed among the hardiest climbing roses withstanding the winters very successfully. All rosarians will want this new rose. Be the first in your neighborhood to show this grand new novelty. Price: Each 16c, 2 for 30c postpaid.



Veilchenblau.

The Gigantic Orchid Flowering Cosmos

LADY LENOX.

This gigantic cosmos is the forerunner of an entirely new race of cosmos. It is of extraordinary size and beauty. Visitors to the floral exhibitions last autumn were enraptured with its size and magnificent color.

Size of flower, 4 to 5 inches in diameter. Color, a delightful shell-pink, lighting up beautifully at night. Form of flower, oval petals of splendid substance, forming a perfectly circular flower which, when cut, lasts an unusual length of time in water. Habit of plant, strong and vigorous, growing 6 to 7 feet high. Flowers may be cut any length of stem up to 5 feet.

Pkg. 15c, 2 for 25c.





White Reseda.

CHRISTMAS PEPPER

The plants grow about 12 to 15 inches high and are covered with scarlet fruit, which stays on for months. It is a selection from the Celestial Pepper, but it is entirely distinct from it, the fruit is smaller, and the plants grow more compact, while the fruit is borne right above the foliage, and therefore present themselves to the best advantage. It is one of the prettiest pot plants, and everybody can be successful with it. Per package 10 cents.



Christmas Pepper.

WHITE PEARL MIGNONETTE

(A new Machet Variety.)

This new pure white variety forms a very effective contrast, not only in the adornment of our gardens, but also in decorative work with cut-flowers, to the other noble forms of Mignonette, which have sprung from Machet, viz., Bismarck, Rubin, and Goliath.

The plant has the same vigorous compact habit of growth as the parent form of Machet, and is very free-flowering. The flowers show a clear pearly white, not easily found in a Mignonette; now and then some red stamina are found among the white ones, which has a pleasing effect. The "White Pearl" Mignonette still varies somewhat. Pkt. 10c.



Butterfly-Flower.

SCHIZANTHUS

Butterfly-Flower

The Poor Man's Orchid.

Only a few annuals can compare with the profusion of bloom of this charming novelty, and none is more easy to cultivate. It attains a height of about 12 inches, grows quite compact and pyramidal and is literally covered with its beautiful, large, orchid-like flowers. It grows well if sown in the open ground in March or April, where it is to bloom, but it may also be sown in frames and transplanted later into the garden or pots, and if sown in August or September, several plants together in a pot, cultivated in a cool greenhouse or conservatory, they will make a splendid show in the winter. Per Pkg. 10c.

SNOW WHITE Shirley-Poppy

The flowers are of the greatest beauty, and if a portion of them, as sometimes happen, have a slight rose tinge towards the tip of the petals, it only adds to their attractiveness. This novelty is of great merit and it will become a favorite, having regard to the very simple culture needed and the wealth of bloom which the annual Poppies yield so continuously during the summer months. Per Pkg.10 cts.



Santa Rosa Poppy.

SANTA ROSA Shirley-Poppy

We have great pleasure in offering this season, for the third time, a new strain of Shirley Poppy, originated and improved by Mr. Luther Burbank, the famous wizard of horticulture. These we have named "Santa Rosa," after the producer's California home. This new strain combines all the delicate beauty in color of the original Shirley and Shirley types. Per Pkg.10 cts.

WERNICH'S

LIST OF CHOICE

VEGETABLE SEEDS

We desire to call particular attention of our friends and patrons to the following List of Vegetable Seeds, which will be found to embrace all the leading and most popular varieties in cultivation.

We exercise the greatest care in the selection of our stock of Vegetable Seeds, discarding all varieties that in our experience have proved unworthy of cultivation.

All our Vegetable Seeds are true to name, and their germinating qualities having been effectually tested, they are confidently offered as being **THE VERY BEST THAT CAN BE PRODUCED.**

Our prices include postage on Vegetable Seeds in packets, ounces, $\frac{1}{4}$ lb. and pounds. If the purchaser will pay the freight charges, 10c per pound may be deducted from the prepaid prices on vegetable seeds herein offered.

On Beans, Peas, Corn and Onion Sets, we give both prepaid charges and not prepaid charges. Purchasers will please notice.

Cash Discounts

ON PACKETS AND OUNCES
ON ALL OUR SEEDS

Customers

\$1.00
2.00
3.00
4.00
5.00

Sending

May

\$1.30
2.70
4.00
5.50
7.00

Select

Worth of
Vegetable and
Flower Seeds
in Packets and
Ounces Only.

ASPARAGUS.

German—Spargel. French—Asperge.
Spanish—Esparragoe.

To grow plants from seed, sow in drills about 1 inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, "thin out" and the following spring the plants may be set out in beds six feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, four inches below the surface. The deeper the soil and the more manure used, the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the fall they should be



Artichokes.

cut and removed from the beds, and just before winter cover the beds with 4 inches of coarse, strawy manure or leaves, which should be removed in the spring. A bed of 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce of seed sows 60 feet of drill. About 400 plants to the ounce.

Conover's Colossal. The most approved and standard sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c.

Giant Argenteuil. The largest variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 85c.

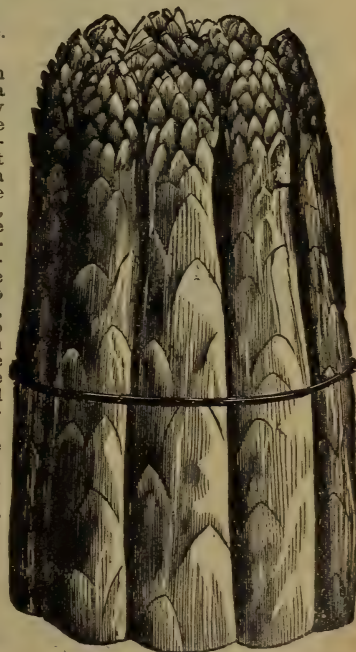
Palmetto. Of southern origin; a bright green color. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

ARTICHOKE.

German—Artichoke. French—Artichaut.

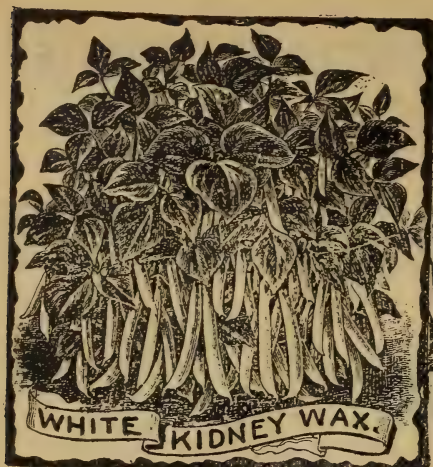
Sow in April in hot bed or boxes, and when the ground is ready transplant in hills three feet apart, and the rows two feet apart.

Large Green Globe. The standard variety. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 80c; 1 lb. \$3.00.



Giant Argenteuil Asparagus.

WE DELIVER ALL SEEDS OFFERED ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES.



B E A N S

DWARF OR BUSH.

Dwarf or Bush Varieties. Begin sowing the Dwarf or Bush varieties the first week in May, if the ground is in fit condition. For successive crops sowings may be made every two or three weeks, until the first of July. Sow thinly in drills from 2 to 3 inches deep, and from 18 inches to 2 feet apart. If the soil is rather poor, the former depth will suffice; if rich, the latter. One quart to 100 feet of drill; 2 bushels to the acre in drills.

WAX PODDED OR BUTTER VARIETIES.

Currie's Rust-Proof Wax. The earliest and most prolific of all Wax Beans. The best Wax Bean for market gardeners. Tender and absolutely stringless and proof against rust. Black seeds, golden yellow pods; flesh tender and very productive. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.50; bu. \$5.50.



Golden Wax.



Currie's Rust-Proof Golden Wax.

Golden Wax. One of the best snap beans, with golden yellow pods of excellent flavor. Medium in length, straight and oval. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.45; bu. \$5.40.

Bismarck Black Wax. A grand bean, early and productive. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.50; bu. \$5.75.

Black Wax or Butter. Pods round and stringless, and of fine quality. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 85c; pk. \$1.45; bu. \$5.25.

White Wax. Flat yellow pods. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 95c; pk. \$1.60; bu. \$6.00.

Flageolet Red Wax. Flat, yellow, large and stringless pods. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.50; bu. \$5.75.

White Kidney Wax. Long, flat, and pure white pods. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.50; bu. \$5.50.

Yosemite Mammoth Wax. The largest podded of all wax beans. Prepaid, pkt. 5c; pt. 25c; qt. 40. Not prepaid, pt. 15c; qt. 25c; ½ pk. \$1.00; pk. \$1.75; bu. \$7.00.

GREEN PODDED BUSH VARIETIES.

Stringless Green Pod. One of the finest green podded beans. The pod is round, medium in length, slightly curved and absolutely stringless; very fleshy, remaining in good condition for a long period. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.50; bu. \$5.75.

Best of All. Early and of good quality; round, green, fleshy pods. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 12c; qt. 25c; ½ pk. 75c; pk. \$1.25; bu. \$4.50.

Long Early Yellow Six Weeks. The leading market sort, flat green pods. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 12c; qt. 20c; ½ pk. 75c; pk. \$1.25; bu. \$4.50.



Bismarck Black Wax Beans.

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GREEN PODDED BUSH VARIETIES.

Round Yellow Six Weeks. Improved round pod. While this variety does not differ from the Early Yellow Kidney Six Weeks in size or general appearance of the vine, the pods are shorter, very much thicker and more fleshy. Moreover, while retaining the vigor and hardness of the old sort, it is fully one week earlier. Seed round, yellowish, drab, with slightly darker marking about the eye. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; ½ pk. 70c; pk. \$1.25; bu. \$4.50.

Early China. Early and continues long in bearing. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 12c; qt. 20c; ½ pk. 70c; pk. \$1.25; bu. \$4.50.

Refugee Extra Early. Has all the superior qualities of the famous Refugee, and is two weeks earlier. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; ½ pk. 75c; pk. \$1.30; bu. \$4.75.



Early Yellow Six Weeks.

Improved Red Valentine. A favorite with market gardeners. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; ½ pk. 70c; pk. \$1.25; bu. \$4.50.

BOUNTIFUL STRINGLESS.

Extra Early. Tender, large podded and a bountiful yielder. An improved Long Yellow Six Weeks, being earlier, harder and producing many more, better and larger pods. Its long pods are very showy, and good for exhibition purposes. It is equally valuable for the gardener and the home garden. Prepaid, pkg. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. 95c; pk. \$1.65; bu. \$6.00.

Dwarf Cranberry or Horticultural. Vines very productive, compact, upright, with large leaves. Pods medium length, cylindrical curved, with splashes of bright red on a yellowish ground. They become fit for use as green shelled beans very early, and in this condition the beans are very large, easily shelled and are about equal to the Lima in quality, although of quite different form. Seed large, oval, plump and nearly covered with splashes of bright red. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 70c; pk. \$1.25; bu. \$4.75.



Extra Early Refugee.

Refugee, Late, or 1000 to 1. A main crop bean, productive and tender. Vines large, spreading, exceedingly hardy, with small, smooth leaves; very late and esteemed for late planting and for use as pickles; pods long, cylindrical, green. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; ½ pk. 70c; pk. \$1.25; bu. \$4.50.



Henderson Bush Lima.

For Field Beans,
see Page 50.



Early Mohawk.

BUSH LIMA VARIETIES.

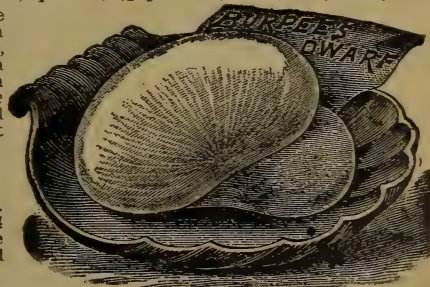
Henderson's Bush Lima. The earliest and most productive of all the Bush Limas, coming directly after the Green and Wax podded sorts; it is therefore a decided acquisition, filling up the gap between the Dwarf and Pole Beans. It is of true Bush form, and will come into bearing the latter part of July and continue yielding an enormous crop all through the summer. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 95c; pk. \$1.75; bu. \$6.50.

Burpee's Bush Lima. A dwarf or bush form of the true large Lima which is of great value. They are of perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yielder, each bush bearing from 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. \$1.00; pk. \$1.85; bu. \$7.00.

BEANS—ENGLISH OR BROAD.

German—Garten-oder Sau-Bohne. French—Fève de Marias. Plant early in spring in rows about 4 feet apart, sow 4 inches apart in the row and 2 inches deep. As soon as the lower pods are set, pinch off the plant to insure well filled pods. Perfectly hardy.

Broad Windsor. Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. 95c; pk. \$1.75; bu. \$6.50.



Burpee's Bush Lima.

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POLE OR RUNNING BEANS.

GREEN FODDER VARIETIES.

Kentucky Wonder or Old Homestead. This splendid variety, introduced in 1885, has since been offered as Seek No Further, and was introduced in 1891 as a novelty under the name of Old Homestead. Vine vigorous, climbing well and very productive, bearing its pods in large clusters; blossoms white; pods green, very long, often reaching nine or ten inches, nearly round when young, and very crisp, becoming very irregular and spongy as the beans ripen. Dry beans long, oval, dun-colored. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 95c; pk. \$1.75; bu. \$6.25.

Dutch Case Knife. Vines moderately vigorous, climbing well, but twining more loosely than some and so may be used for a corn hill bean. Leaves large, crumpled; blossoms white, pods very long, flat, irregular, green, but becoming creamy white; beans broad, kidney shaped, flat, clear white, and of excellent quality, green or dry. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 85c; pk. \$1.60; bu. \$6.00.

Lazy Wife. Late beans, white, pods long and green. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. \$1.00; pk. \$1.90; bu. \$7.00.

Scarlet Runner. Ornamental as well as edible. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ pk. 95c; pk. \$1.75; bu. \$6.50.

POLE WAX PODDED VARIETIES.

Black German Wax Pole. Well known yellow podded variety. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ pk. 80c; pk. \$1.60; bu. \$6.25.

Early Golden Cluster. Comes into use from a week to ten days later than the dwarf Golden Wax. The beautiful golden-yellow pods, which are from 6 to 8 inches long, are borne in clusters in the greatest profusion, and continue to bear until frost comes. It is crisp and tender and of the most delicious flavor. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 95c; pk. \$1.60; bu. \$6.00.

Golden Butter Wax (Mont D'Or). An early and most productive sort, entirely stringless, and of excellent quality. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. 95c; pk. \$1.75; bu. \$6.75.

POLE LIMA VARIETIES.

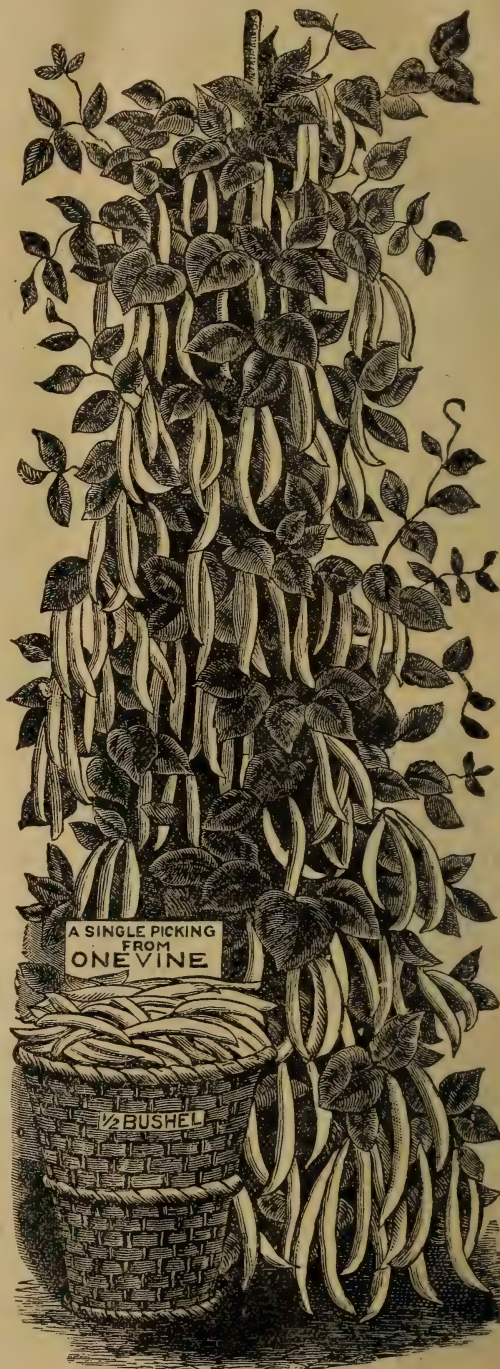
Extra Early Lima. In appearance and size similar to the large White Lima, and of equally good quality. It is especially valuable on account of being two weeks earlier than the ordinary Lima. Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. \$1.00; pk. \$1.75; bu. \$7.00.

Large White Lima. The Large Lima is a general favorite wherever it can be cultivated; the germ of this bean is very delicate, and sometimes the first planting is destroyed by cold and wet weather; to insure against this, the beans can be sprouted in small flower pots, or by placing them on sods of earth, placed in a frame, covered lightly with soil, and planting them out when the weather becomes warm; this will increase their earliness fully two or three weeks. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.60; bu. \$6.00.

Small White Lima or Sieva. Vines vigorous with many short branches, so that they are sometimes grown without poles; very early and productive, with small, smooth, dark green leaves; pods short, curved, thin, flat; beans white, small, kidney shaped. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.85; bu. \$6.50.

King of the Garden Lima. This is the grand old standard market and family sort, which nothing can displace from public favor. It is vigorous in growth and immensely productive. The vine begins to produce pods near the foot of the pole, and the bearing season continues without interruption until frost. The pods are large, numerous and well filled, and the beans are of mammoth size. The handsome pods often attain a length of five, six, seven or even eight inches with five or six full and perfectly formed beans in each pod. No lima bean is more widely or more favorably known throughout the United States than the King of the Garden. It is a market favorite. Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ pk. \$1.00; pk. \$1.85; bu. \$6.50.

The Pole varieties should be sown in hills about four feet apart, dropping five or six seeds in each hill, to the depth of about 2 inches. Being more tender than the Bush varieties, the planting of them should be delayed about two weeks after the usual time for planting the latter. A sandy soil suits them best, but the hills should have a liberal supply of manure worked in previous to planting the seed. One quart to 150 hills; 10 to 12 quarts per acre.



Kentucky Wonder.

BEETS.

German—Salatrube. French—Beeterave. Spanish—Remolacha.

Sow as early in the spring as the ground can be worked (4 to 6 lbs. to the acre), and every two weeks after for a succession, up to the first week in July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure, and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin from 4 to 6 inches. The young beets pulled out of the row are excellent used as Spinach.

Our Seeds are all tested and guaranteed true to name.



Half Long Blood.

comes in soon after the early Turnip sorts, and never becomes coarse or woody, even if left in the ground until late in the fall. We consider it the best beet for winter use. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Long Smooth Blood Red. An improvement on the common Long Blood. A valuable late sort. Pkt. 3c; oz. 10c; ¼ lb. 15c; 1 lb. 45c.

Swiss Chard, Silver or Sea-Kale Beet. For the leaves alone this variety is grown. These with the mid-rib removed, are cooked and used as Asparagus and Spinach. Pkt. 3c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

For Sugar Beet and Mangel Wurzel, see Farm Seed, Pages 44 and 45.



Brussels Sprouts.



Early Blood Turnip.

Extra Early Egyptian Turnip. The earliest, and excellent in quality. Deep crimson in color. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

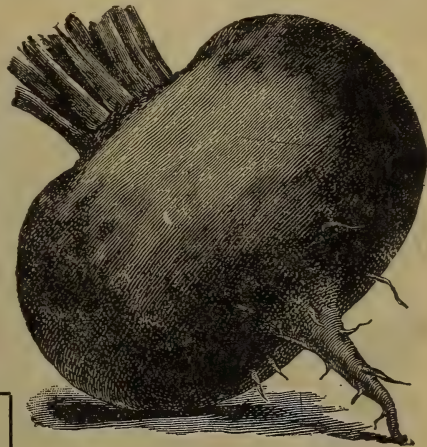
Eclipse. A new and valuable variety, of fine quality, coming in almost as early as Egyptian. It is highly esteemed for its richness of color. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Edmond's Early. An early variety of superior quality, grows very uniform in size, with a single taproot, color deep blood red. Pkt. 3c; oz. 10c; ¼ lb. 15c; 1 lb. 45c.

Dewing's Improved Blood Turnip. Very desirable for marketing; of fine form and color, very early. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 55c.

Early Blood Turnip. A favorite early variety. Pkt. 3c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

Half Long Blood. An entirely distinct variety, growing about half as long as the Long Blood, but thicker than that sort. The color is dark blood red, and the flesh is delightfully crisp and tender at all stages of its growth. It



Extra Early Egyptian.

See our Cash Discount Offer on Page 5.

BROCCOLI.

German—Spargel Kohl. French—Chou Brocoli. Spanish—Brocu.

Sow thinly in seed beds about the middle of Spring, and transplant and cultivate the same as cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Purple Cape. Best adapted to our climate. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.50.

BRUSSELS SPROUTS.

German—Sprossen Kohl. French—Chou de Bruxelles. Spanish—Bretones de Bruselas.

This is one of the most delicious of all vegetables, and of easy growth, but is not so well known in America as it deserves. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens and become tender when touched by the frost. Sow in May and manage as winter cabbage. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

Dwarf Improved. Compact heads of fine quality. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.25.

CABBAGE.

German—Kopf Kohl. Spanish—Repollo. French—Choux Poermes.

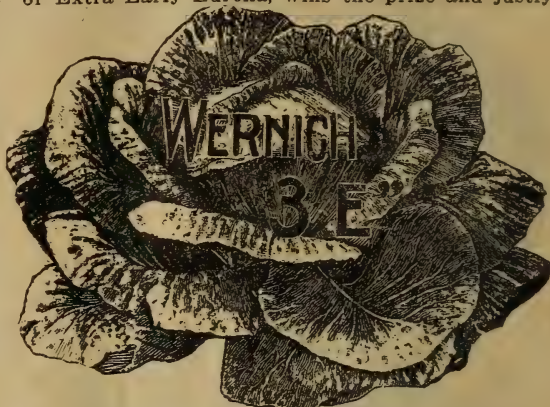
For early use, sow seeds of the early kinds in the hot beds or in a box in the house the last of January or early in February, and transplant them in the open ground in April, in rows two feet apart and eighteen inches between the plants in the row; or sow in a bed of seed outside as soon as the soil can be worked, if you do not care for real early cabbage. These may be transplanted in about four weeks. For second early cabbage, sow in April, and transplant in May. For late cabbage, sow in May and transplant in July, in rows three feet apart and two feet between the plants in the row. One ounce of seed produces about 2,500 plants. Four ounces grow enough to set an acre.

WERNICH'S EXTRA EARLY EUREKA CABBAGE.

"Eureka." Here we have it. Just what the Gardeners have been looking for, viz., an extra early and hard heading cabbage. Wernich's "Three E" or Extra Early Eureka, wins the prize and justly deserves to be placed at the head of the Early Cabbages. It is as early as the earliest Wakefield and as hard as a cannon ball. It is a flat cabbage; grows very compactly, thus yielding a much larger crop than other early varieties and a splendid keeper for an early sort on account of its solidness. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.85.

Wernich's Earliest of All. Heads the list as the earliest Cabbage in cultivation, maturing in from 80 to 85 days from sowing the seed. It has but few outer leaves, almost every plant forms a small conical head of a yellowish green color. In quality it is the best. Desirable for early market or home use. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.

Early Jersey Wakefield. Select Stock. Long recognized as the best, earliest marketable cabbage. Medium in size, in shape pyramidal with a pointed peak. Hardy plants can be wintered in cold frames, is a reliable, certain header and one of the most profitable cabbages for the market gardener. Our strain of seed is of superior quality. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.85.



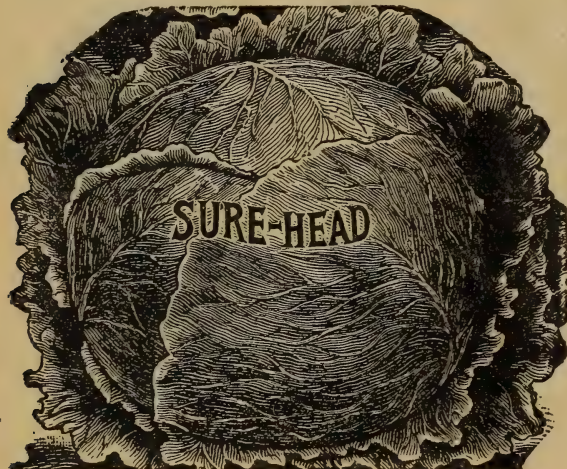
Eclipse. One of the earliest of the large cabbages. Heads very uniform in size with very few leaves, remarkably solid and very tender. Stem very short; color, dark green. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.75.

Early Market. A favorite with Milwaukee gardeners. A desirable variety of excellent quality, tender and very mild flavor when cooked. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.85.

MAIN CROP VARIETIES.

Sure Head. This famous Cabbage is most appropriately named for it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, very hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping and is a favorite sort with market gardeners and for home use. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Early Summer. Comes in about ten days later than Wakefield, having much larger heads. Unexcelled for market garden and good for home use. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.



All Head Early. Heads flat, deep and solid; firm and tender; valuable also for late; seeds sown in July and set out in August will make fine heads. Largely planted by market gardeners. Nearly 10,000 can be grown on an acre, and nearly every one will produce a head. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.75.

Early York. An old favorite. Heads small, heart shaped and firm. Almost certain to head and is a good shipping sort. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.45.

Early Winningstadt. Heads large, conical; leaves bright, glossy green. Valuable not only for early use, but for winter cabbage. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Fottler's Brunswick. Short stem. We have a superior strain of this seed which brings large, flat, solid heads of excellent quality. Stem very short. A sure header and good shipper. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.60.

Early Flat Dutch. A standard second early variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.



Early Flat Dutch.

CABBAGE—Cont'd.

LATE VARIETIES.

WERNICH'S TRUE HOLLAND OR DANISH BALLHEAD. The Best Cabbage for Early Spring Sales. This entirely distinct variety comes from Denmark. It has been cultivated in America for five or six years and has proven a very desirable winter cabbage both on account of its uniformity in heading and from its extremely hard, solid head, which gives it superior keeping qualities. The heads are nearly round, almost as deep as they are wide. Color, blue green. The hard heads keep excellently when buried and present an attractive appearance when offered in the spring market. It has been thoroughly tested and may be relied upon to meet every claim made for it. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

All Seasons. Much grown by market gardeners and is also an excellent variety for home use. Remarkable for its ability to stand hot sun and dry weather. Makes solid, hard heads of large size. It is both an early and late variety, and is most appropriately named. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.



Selected Premium Flat Dutch. A low growing variety, heads large, bluish green, round, solid, broad and flat on the top; an excellent fall and winter variety, and a good keeper. It is a sure header. Our stock has been grown from carefully selected heads. Large pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.55.

***The Volga.** A valuable acquisition in the cabbage line. The heads are as round as a ball, and perfectly solid. The flesh is firm, tender and white; most desirable for kraut as well as for all other purposes. It matures fully two weeks earlier than any other of our late growing sorts, and if set out early will mature in July and August. The Volga is fast becoming an early maturing main crop variety. Crop short—order early. Pkt. 5c; oz. 30c; ¼ lb. 85c; 1 lb. \$2.50.



The Lupton. A New Winter Variety. This variety originated with one of the largest Cabbage seed growers of Long Island, whose name it bears, and we recommend it for the following points: The heads are particularly large in proportion to the plant, which is a strong grower, but does not spread out much. The stalk is rather short and color is a rich green; it is one of the best keepers and comes out in the spring bright and fresh. It is more uniform and heads better than the other late varieties. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.

Large Late Drumhead. Excellent winter variety with a broad, flat or round head, very compact and solid, short stump, tender and good flavored, an excellent keeper. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.50.



Mammoth Red Rock.

RED LEAVED CABBAGES.

Mammoth Rock Red. A splendid large growing red cabbage; heads have frequently grown to 12 lbs. each; color, deep red through to center of head. An excellent sort, and a sure header. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.

Large Red Dutch. By far the best, largest and surest heading red cabbage. Color, deep rich red. Many successful market gardeners choose this for their entire crop of red cabbage, pronouncing it the best of all. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.85.

Early Blood-Red Erfurt. Earlier and smaller than the large red; valuable for pickling. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.

SAVOY CABBAGES.

American Drumhead Savoy. The best of its class for home use or market. Heads large, solid and compact. Has rich, sweet flavor of the cauliflower when cooked. Pkt. 5c; oz. 20c; ¼ lb. 45c; 1 lb. \$1.60.

Early Dwarf Ulm Savoy. Heads medium size, round and solid; leaves deep green and finely wrinkled. Pkt. 5c; oz. 20c; ¼ lb. 45c; 1 lb. \$1.60.



Improved Drumhead Savoy.

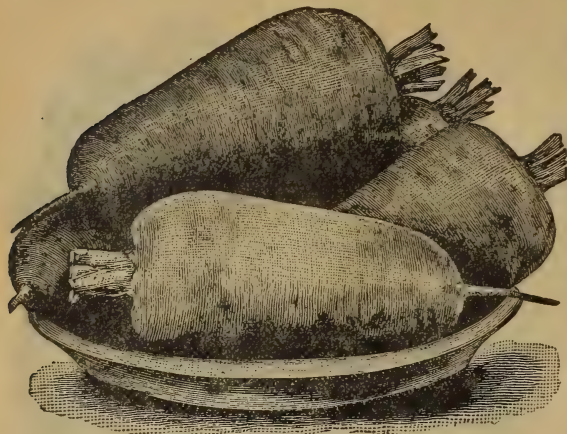
CARROTS.

German—Gelbe Ruben, French—Carotte.
Spanish—Zanahoria.

The Carrot, like other root crops flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the fall before, all the better. Should be sown in early spring in drills from 15 to 18 inches apart, finally thinning plants to about 3 or 4 inches apart in the drill; keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered and your crop is lost. The seed is slow to germinate, and if sown early or on moist soil, half an inch is deep enough to cover the seed. One ounce sows 150 feet of row. Four pounds will sow an acre.

Wernich's Improved Danvers. For description, see Novelties page 5.

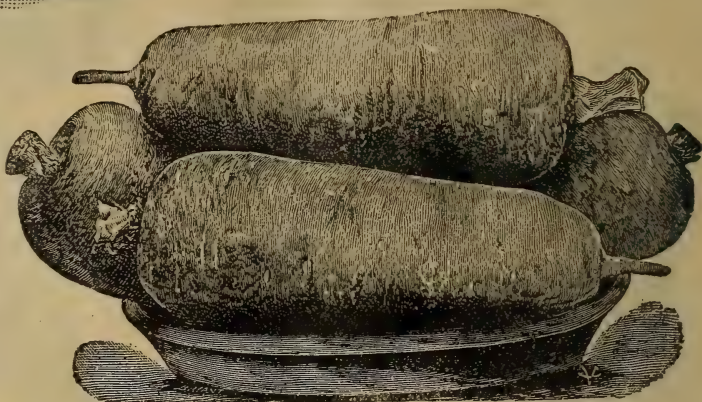
Early French Forcing. Tender and fine for early and late crops and frames. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 85c.



Half-long Nantes.

Early Scarlet Horn. A variety long and favorably known to all growers. It is not large, but is often used for early crop. It is sometimes used for forcing. Considered by many to be the best early table sort. The flesh is fine grained and the color a deep orange. It has small tops and grows well in shallow soil. It matures 8 to 10 days sooner than Long Orange. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Half-long Nantes. This stump rooted variety is coreless. The flesh is of a bright orange color. It is early, has a smooth skin, and is most excellent for table use. It will mature in comparatively shallow soil. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c.



Chantenay.

Half Long Danvers. This variety is well adapted to all soils and sections. It is half long in shape, almost cylindrical, somewhat stump rooted, and of rich, dark orange color. Over 40 tons per acre of Half-long Danvers have been grown, and a yield of 25 to 30 tons per acre is not uncommon. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 70c.

The Chantenay. This variety is a very productive one. It has an extra large shoulder, is easily dug, and is desirable in all respects. It is a stump rooted sort, very smooth, fine in texture and of a beautiful, rich orange color. For table use it is considered by many to be the best of all, both on account of shape and quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 70c.



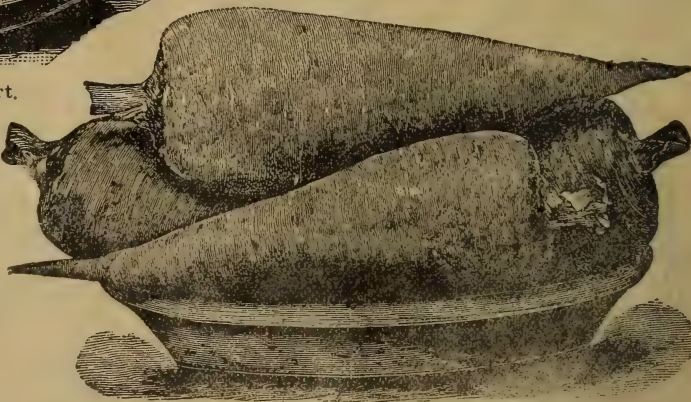
Guerande or Oxheart.

Oxheart. This carrot is a splendid sort. It runs fully 3 to 4 inches in diameter, and specimens have been raised over 7 inches in diameter. In quality it is extra good, and will prove satisfactory for home use and profitable for market. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c.

Large White Belgian. Attains a length of one foot, standing one-third out of the soil. Rather coarse in flesh, but a heavy yielder and easily harvested. Flesh and skin white. Pkt. 3c; oz. 8c; ¼ lb. 15c; 1 lb. 50c. Not prepaid, 5 lbs. \$1.90.

Improved Long Orange. Roots are of large size, smooth and fine grained. Color, a deep orange. An enormous cropper. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c. Not prepaid, 5 lbs. \$2.00.

Mastodon. Largest in size, largest in yield. Often measure 15 to 20 inches in circumference. Not recommended for table use but is an excellent carrot for feeding stock. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c. Not prepaid, 5 lbs. \$1.90.



Improved Long Orange.

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CAULIFLOWER.

German—Blumenkohl. French—Choufleur.
Spanish—Coliflor.

Sow seed in the hot-bed in January or February and transplant the plants two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude is usually from the 15th of March to the 10th of April. Set the plants 2 feet to 15 inches apart. When heading, tie the outside leaves loosely over the head to protect it from the sun. Water plentifully in dry weather. One ounce of seed gives 1,500 to 2,000 plants.

Wernich's Earliest Snowball. By far the best early sort for the market gardener and trucker's use, and the standard variety for the amateur. Sure to head and remain pure and white. The seed we offer is of very superior quality and is grown for us by one of the most reliable Cauliflower growers in Europe, and the great care taken to keep it up to the highest standard is manifested in the superiority of the crops grown from it every year. It is of dwarf, compact habit, heads very large and pure white. Pkt. 15c; $\frac{1}{4}$ oz. 75c; $\frac{1}{2}$ oz. \$1.25; oz. \$2.25; $\frac{1}{4}$ lb. \$8.50.



Wernich's Earliest Snowball.



Earliest Dwarf Erfurt.

Henderson's Early Snowball. This very superior strain is noted for producing early plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. Pkt. 15c; $\frac{1}{4}$ oz. 75c; $\frac{1}{2}$ oz. \$1.15; oz. \$2.10; $\frac{1}{4}$ lb. \$8.00.

Wernich's Selected Earliest Dwarf Erfurt. The earliest of the earlies. Very dwarf, small leaved; can be planted twenty inches apart and forced. Makes a fine firm head of snowy whiteness, tender and of delightful flavor. Pkt. 10c; $\frac{1}{4}$ oz. 65c; $\frac{1}{2}$ oz. \$1.15; oz. \$2.00; $\frac{1}{4}$ lb. \$7.00.

Early London. Where extreme earliness is not essential, this will be found one of the best. Pkt. 5c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.00.

Autumn Giant. A late variety, vigorous habit. Pkt. 5c; $\frac{1}{2}$ oz. 30c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. \$6.00.

CELERY.

German—Sellerie. French—Celeri. Spanish—Apio.

Little of the seed is now sown in hot beds, but is sown in a cold frame, or even out in the open air, early in April, and in June and July is transplanted where it is intended to mature. The young plants, before transplanting, should be clipped down partially two or three times to promote stubby growth.

Golden Self-Blanching. Like the White Plume, this Celery requires very little earthing up, and in many other respects it is similar to that favorite sort, differing however, in color, which is yellowish, the heart being large and solid and of a golden hue. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.15.

EVAN'S TRIUMPH. The most profitable Celery for the market gardener. Large, solid stalks, of the finest flavor. The best late Celery and a perfect keeper. Market gardeners and Celery growers all over the country have found this the best Celery for late work. It is a splendid keeper, and the stalks are large, very solid, and creamy white in color. In quality it is perfect, being exceedingly crisp and tender, and has a rich, nut-like flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

White Plume. Unlike most varieties, this one does not require to be earthed up, but if only loosely tied, a few handfuls of earth brought close together, all the inner leaves or thin stalks will turn white. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Giant Pascal. A selection from the famous Golden Self-Blanching. It produces broad and thick, solid stalks of handsome appearance, which are entirely stringless, crisp and tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

Crawford's Half Dwarf. Of vigorous growth and of excellent flavor. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.

Soup Celery (Old Seed). Excellent for flavoring. Oz. 5c; lb. 30c, prepaid.



Evan's Triumph.

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CELERIAC.

OR TURNIP ROOTED CELERY.

German—Knollen-Sellerie. French—Celeraic Rave.

Spanish—Aplo-Napo.

A variety of celery having turnip-shaped roots, which, when cooked, sliced and used with vinegar, makes an excellent salad.

Large Erfurt. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Large Smooth Prague. Extra Select. In our extra select stock we claim we have got the finest strain of Root Celery it is possible to produce. The bulbs are globe-shaped, large, smooth, and are entirely free from side roots. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 55c; lb. \$1.65.

CHERVIL.

French—Cerfeuil. German—Gartenkerbel.

Curled. The young leaves are used in soups and salads. Sow in May, in drills half an inch deep. 1 oz. to 100 feet of drill 1 foot apart. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 80c.



A good substitute for Coffee.

German—Cichorienwurzel. French—Cicore Sauvage. Spanish—Achicoria.

1 ounce for 100 feet of drill.

The roots dug in the fall, dried, cut into thin slices, roasted and ground, are used largely as a substitute for coffee. Seed should be sowed thinly in shallow drills, early in the spring. When well started, thin out to stand two or three inches apart and give good cultivation, so that the roots may grow as large as possible.

Large-rooted or Coffee. The standard. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

CHICORY.

CHIVES.

The tops appear very early in the spring, and can be shorn throughout the season. Every garden should contain a few clumps. By some considered indispensable for use in omelets. Pkt. 5c; $\frac{1}{2}$ oz. 25c; oz. 40c.

CRESS OR PEPPER GRASS.

German—Kresse. French—Cresson. Spanish—Mastuerzo.

A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals to keep up a succession, as it soon runs to seed.

Curled Garden. Very fine, may be cut two or three times. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.



Curled Garden Cress.

Upland Cress. It is a hardy perennial, stays green nearly the whole year, and is ready for use before any other salad in the spring. Sow in April in rows 1 foot apart. Pkt. 10c; oz. 30c.

Water Cress. It is easily grown by planting along margins of ponds and streams, where it increases both by spreading of the roots and by seeding. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 80c; 1 lb. \$3.00.



Water Cress.

CORN SALAD OR FETICUS.

German—Stecksalat. French—Mache. Spanish—Macha o Valerianilla.

1 oz. to 35 feet of row.

It is used during the winter and early spring as a substitute for Lettuce. Seeds may be sown in August or September, in shallow drills, and protected in cold sections by leaves or straw during the winter. Cultivate as Lettuce.

Large Leaved. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

POP CORN.

Queen's Golden Pop Corn. The stalks grow six feet high and the large ears are produced in abundance. Its quality and handsome appearance when popped are very noticeable. It pops perfectly white, and a single kernel will expand to a diameter of nearly one inch. Prepaid, pkt. 5c; pt. 20c; qt. 35c.

White Rice. A very handsome and popular variety; ears short, kernels long, pointed, and resembles rice; color white. Prepaid, pkt. 5c; pt. 20c; qt. 35c.



Corn Salad.

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SWEET CORN.

Peck and Bushel Prices Subject to Market Change.

First of All. Corn is ready for the table from three days to a week earlier than Cory, making it very desirable, not only for family gardens, but extremely valuable to grow for market, where the earliest corn always brings by far the highest prices. The ears are of medium size, well filled with large grain to the tip. Many of the ears contain ten or twelve rows. In habit of growth it is rather dwarfer than the Cory, although similar in appearance; but superior in quality, tender and sweet. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.00; bu. \$3.75.



First of All.



PEEP O'DAY The Sentionally EARLY NEW SWEET CORN

Ten Days to Two Weeks Earlier than any other sort, and the Sweetest of all Sweet Corn.

So marked is its sweetness and delicacy of flavor, that many of our customers who have been in the habit of planting several varieties to secure a succession, now plant **Peep O' Day** exclusively, arranging the plantings a few days apart so as to have this delicious corn throughout the entire season.

Another point of great importance is the wonderful productiveness of **Peep O' Day**.

The early varieties of sweet corn do not as a rule yield as heavily as the late sorts, but **Peep O' Day** not only surpasses in this particular all other early varieties, but all late varieties as well; in fact our crops of **Peep O' Day** have given us for three successive years almost double the yield per acre of any other.

Incredible as this may seem, it is readily accounted for by the fact that the stalks bear from two to five ears each and the growth being dwarf—about 4 feet—admits of very close planting. Price, large pkt. 5c; pt. 20c; qt. 35c; postpaid. By freight or express: pt. 15c; qt. 25c; pk. \$1.25; bu. \$4.25.

Early Cory (Red Cob). Recognized throughout the United States as the standard early sweet corn. Ears 8-rowed, with red cob, and broad light pink grains. A profitable crop to grow for early market. Prepaid, pkt. 5c; pt. 15c; qt. 25c. Not prepaid, pt. 10c; qt. 15c; pk. \$1.00; bu. \$3.75.

Early Minnesota. An old but most excellent variety, both for market and home use. Ears fair size and uniform, 8-rowed, kernels tender and sweet; color white. Nearly as early as Cory. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; pk. 95c; bu. \$3.75.

Perry's Hybrid. Nearly as early as Minnesota, with large ears, 12 to 14 rowed, averaging 2 ears to a stalk. Kernels large, cooking white and tender. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; pk. 95c; bu. \$3.65.

Chicago Market. It has many good points to commend it, chief among which are earliness, large size, fine appearance, great productiveness, 2 or 3 ears on a stalk, and superior table quality. It is 12 rowed, cob white, a stout, stocky grower. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 35c; pk. \$1.00; bu. \$3.75.

Country Gentleman. An excellent corn for family use. The ears are of good size with a small cob, and very deep, clear white kernels, tender and sweet. It is very productive, many of the stalks bearing three or four ears. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.15; bu. \$4.00.

Black Mexican. Although the ripe grain is black or blue-black in color, the corn, when in condition for table, cooks almost white. It is very sweet and tender. Once tried in the family garden, it is sure to be continued. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.15; bu. \$4.00.

Stowell's Evergreen. A favorite with gardeners and canners. Planted at the same time with earlier kinds it will keep the table supplied until October. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.15; bu. \$4.00.

Mammoth Sugar. Ripens a little later than the Evergreen. Large ears. Kernels flat. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.15; bu. \$4.00.

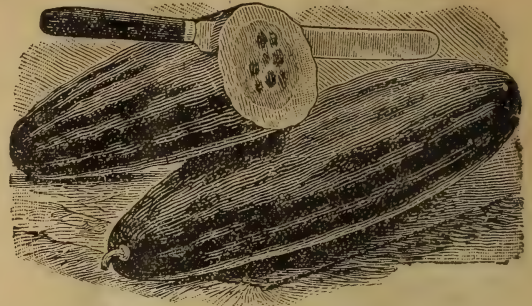
CUCUMBERS.

All Five Varieties Cucumbers shown on this page, 5 packages in all, for 20 cents.

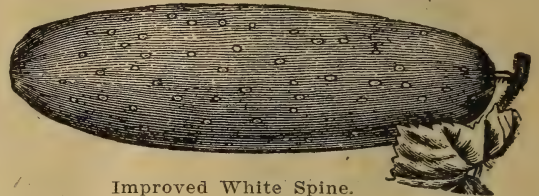


Wernich's Chicago Pickling.

Plant in hills four feet apart, in well prepared, warm, rich loamy soil. Mix a shovelful of well-rotted manure in each hill. The fruit should be picked when large enough, whether they are wanted or not, as it destroys the vitality of the vine if left to ripen. One ounce to 50 hills; two pounds to the acre in hills.



Cool and Crisp.



Improved White Spine.

WERNICH'S CHICAGO PICKLING.

It is undoubtedly the best cucumber for pickles, and it is used almost exclusively by our pickle factories. The fruit is of medium length, pointed at both ends, with large and prominent spines; color deep green; begins to set its fruit when the vines are quite young. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 95c.

Wernich's Klondike. This is an extra choice strain of the White Spine type, with very dark green skin. They are large, uniform in size and attractive in appearance. It bears early, continuing through the entire season. Popular in the South for early Northern shipments. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

Giant Pera. Flesh clear white and very crisp. Pkt. 10c; oz. 20c; ¼ lb. 30c, 1 lb. \$1.10.

Cool and Crisp. As a Cucumber for slicing we know of none better. Long and slim, pointed at the ends, very dark green, almost black. One of the earliest. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Green Prolific. Great bearer of medium sized fruit that is excellent for slicing as well as for pickling. Pkt. 5c; oz. 10c; ¼ lb. 25c. 1 lb. 90c.

Boston Pickle. A favorite eastern variety of fine quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Everbearing. Very small, early and productive. A good pickler. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 95c.

Improved Long Green. Long and crisp; good for pickling. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 85c.

Improved White Spine. One of the best sorts for table use. Vines vigorous, fruiting early and abundantly, fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 70c.

West India Gherkin. The smallest cucumber known and used exclusively for pickling. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.75.

Japanese Climbing. Good for frames or open ground. Can also be trailed and makes nice shade where trailed on verandas. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.10.

New Goliath. Grows enormously large, from 20 to 25 inches and larger. Grows equally well in frame or outdoors. Every one should try them. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.85.

ENGLISH CUCUMBERS FOR FRAMES.

Model Forcing. Most excellent sort. Pkt. 25c.

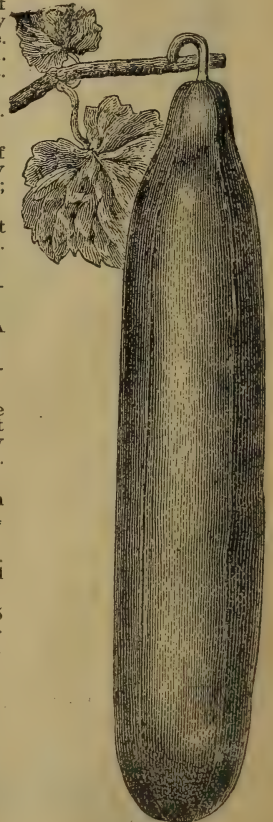
Telegraph Forcing. Extensively grown. Pkt. 25c.

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Improved Long Green.



Giant Pera.

CUCUMBERS—Continued

CUMBERLAND CUCUMBER.



It is a hybrid of Parisian Pickling and Peerless White Spine, retaining the long even growth of fruit, the solidity of flesh, the crispness and excellent flavor of the former, and the hardness and great productiveness of the Peerless White Spine. It is a rapid, strong and vigorous grower and very prolific. The pickles differ from all other hardy sorts in being thickly set with fine spines over the entire surface except the extreme stem end. During the whole period of growth, from the time they first set until fully grown, the form is exceptionally straight, thus being as choice a slicing variety as it is for pickles. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.10.

ENDIVE.

German—Endivien. French—Chicoree Endive. Spanish—Escarola or Endivia.

Sow in June, July and August; cover lightly; when up, thin to eight inches apart, and water well after if dry. When the leaves are six or eight inches long, bleach by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of winter, take up carefully a ball of earth, to each plant and place close together in frame or cellar for use. They must be kept dry, and have plenty of air, or they will rot.

Green Curled. Standard variety for fall and winter crop. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Broadleaved, Sweet. For fall or winter. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Green Curled Endives.

EGG PLANT.

German—Eierpflanze. French—Aubergine. Spanish—Berengena.

Sow in hot-bed the first week in March, and plant out in June, about 2 $\frac{1}{2}$ feet apart. For a small garden a few seeds may be raised in common flower-pots in the house. One ounce to 150 feet of drill.

Improved New York Spineless. Very large and smooth, fine dark color. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.10, 1 lb. \$3.85.

Purple Perfection Thornless. A favorite sort amongst market gardeners. Very prolific. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.10, 1 lb. \$3.85.

GARLIC.

German—Knoblauch. French—Ail. Spanish—Ajo. Esteemed by many for flavoring soups and stews.

Bulbs. Per bulb, 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.



Egg Plant.

KALE.

German—Blaetter Kohl. French—Chou Vert. Spanish—Breton.

Sow in prepared beds, middle of April to beginning of May, and transplant beginning of June same as Cabbage. All the varieties are hardy, and are best when touched by frost. 1 ounce to 1500 plants.

Half Dwarfed Green Curled. Very dwarf and of spreading habit. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 65c.

Tall Brown Scotch. Very hardy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 75c.

Siberian or Winter. Dwarf, hardy and green curled. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.



Half Dwarf Green Curled Kale.

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LETTUCE.

CULTURE.

If wanted for early spring use, sow in seed bed in September or October, and protect through the winter, with cold frames, or in the south with leaves or litter, or sow in a hot bed in early spring as soon as the ground can be well worked, transplant in good, rich ground, two rows eighteen inches apart, and eight to ten inches in the rows. For a later supply, plant every two weeks from the middle of April to July, choosing varieties according to their heat resistance. If sown outside, to be cut young, sow thickly in drills or broadcast; but if fine, strong heads are desired, sow in drills one-fourth inch deep, eighteen inches apart, and thin, rather than transplant, to twelve inches apart in rows. One ounce of seed makes 2,000 plants.



May King.

Curled Lettuce.

Prize Head. Plant large, deep green, so washed with red as often to appear more red than green, forming a head of a dense mass of leaves rather than one like a cabbage, and very slow to run to seed. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Grand Rapids. As a distinctively forcing lettuce this variety undoubtedly stands at the head of the list. It is largely grown for shipment, and is considered by many the best loose head lettuce for forcing under glass. Leaves medium size, of light, yellowish green color, much crimped and frilled, thin but of very upright growth; form a fair size, but loose head; crisp, tender and of good quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 95c.

Black Seeded Simpson. An excellent forcing variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 95c.

Early Curled Silesian. This variety does not head, but forms a compact, close mass of leaves. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 90c.

HEAD OR CABBAGE LETTUCE.

May King Lettuce.

(A New Cabbage Lettuce.)

The great value of this Lettuce, which has actually been cultivated in quantities for the markets of Berlin and other large places, with the greatest pecuniary success, and of which the most favorable reports have been received from all parts, is its surprisingly rapid development, its size, weight, tenderness, hardness, and the fact that it not only forces well in moderate heat, but develops its large crop of magnificent heads in the open ground about 10 days sooner than any other sort.

"May King" will stand a frost, and even the earliest sowings have never been attacked by mildew. It averages about 12 $\frac{1}{2}$ oz. and in many instances 16 oz. and will stand from 10 to 14 days after attaining maturity without running to seed.

The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

WERNICH'S PRIVATE STOCK. The most satisfactory variety for producing fine, large, solid and well balanced heads, excellent for cold frames or growing in the open ground. Very sure and compact heading and resists the sun a long time before shooting into seed. Leaves are curly and crimped. Market gardeners will find this a very good yielding sort, a ready seller and money getter. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Iceberg. (New). Of beautiful appearance and excellent quality; leaves green, slightly tinged with red at the edge; heads good size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 90c.

Stubbornhead. Solid heads, crisp and hardy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

Hanson. Heads very large, solid, tender, crisp and of fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 95c.

Yellow Seeded Butter. A valuable variety for late spring and summer planting, as it will stand the heat better than most sorts, and is slow to go to seed. Its large, solid, yellow heads are very crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

St. Louis Butter. This is a great favorite with Chicago gardeners, owing to its solidity, crispness and good flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



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KOHL-RABI.

German—Knoll Kohl. French—Chou Rave. Spanish—Colrabano. When young and tender, they are fine for table use; when matured, they keep well and are excellent for feeding stock.
Early White Vienna. Handsome and delicate. For forcing. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.
Early Purple Vienna. A good sort, of purple color. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.
Large Green. Forms a large ball. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.

LEEK.

German—Poree oder Lauch. French—Poireau. Spanish—Puerro. Sow early in spring, and when plants are three or four inches high, thin to eight inches apart. Hoe the earth well up to the stalk to blanch it. One ounce to 100 feet of drill.
American Flag. Popular market sort; dark leaves, very hardy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 95c.
Large Carentan. A superior sort; dark leaves, very hardy. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.35.

OKRA OR GUMBO.

German—Safran. French—Gombaud. Spanish—Gombo. The pods, when young, are used in soups, stews, etc., and are very nutritious. Sow at the usual time of all tender vegetables, and set the plants from two to three feet apart in drills.
Improved Dwarf Green. Tender and long pods. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

MUSTARD.

German—Senf. French—Moutarde. Spanish—Mostazoe. Used as a condiment, and the green leaves as a salad, or cut and boiled like Spinach. Cultivate same as Cress.

White English. The leaves are light green, mild and tender when young, seed light yellow. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c.

Brown or Black Mustard. More pungent in flavor than the white. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c.

MUSHROOM SPAWN.

Mushrooms can be grown in a cellar, in sheds, or in hot beds in open air, on shelves, or out-of-the-way places. Fermenting horse manure at a temperature of about 70 degrees, mixed with an equal weight of fresh sod loam, is made into beds the size required, eight inches deep. See to it that the bed is packed very solidly and evenly. In this bed plant the broken pieces of spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant from eight to ten square feet of bed. The mushrooms will appear in about six weeks. Water sparingly and with luke warm water.

Prepaid, per brick 35c. Not prepaid, per brick 25c. 25 bricks at 20c each.

MUSKMELONS.

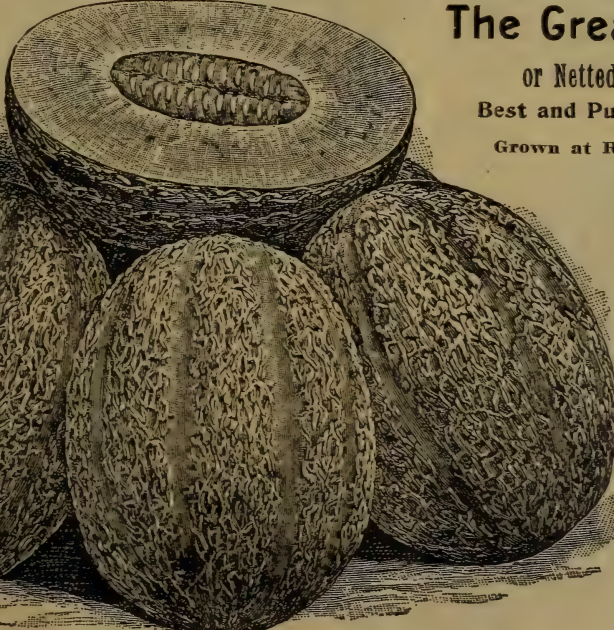
German—Melone. French—Melon. Spanish—Melon. A rich, sandy soil is most desirable for melons. The seed should be planted where the ground has become warm, in hills six feet apart each way. Old, well-rotted manure should be thoroughly mixed with the soil in each hill; six to ten seeds in the hill; finally, when danger from insects is passed, leave three or four of the strongest plants only. If the plants grow very rank, the tips of the strongest shoots should be pinched off when about three feet long; also if the fruit is excessive, they may be thinned out, which will cause the melons to ripen earlier and increase the size of the fruit. Cultivate thoroughly and often. One ounce of seed for sixty hills; two or three pounds to an acre.



Mushroom Culture by

W. Robinson, F. L. S. A book of authority on this popular esculent. Illustrated. "Cloth," postpaid, 55c.

The Melon that has made Rockyford, Colo. famous



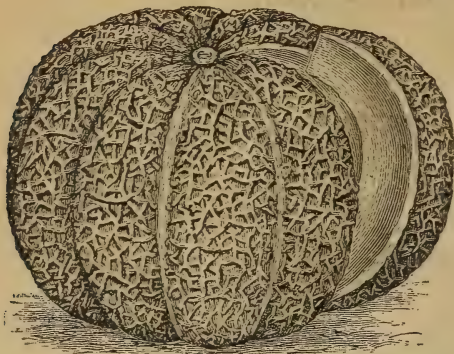
The Great Rockyford

or Netted Gem Muskmelon.

Best and Purest Strain of Seed.

Grown at Rockyford, Colorado.

Unsurpassed in Luscious Flavor. Always brings the highest price on the market. Most desirable size. Ideal for dessert. A healthy, vigorous grower. Exceedingly prolific. This is an improved strain of Netted Gem, growing a little more oblong in shape. Originated at Rockyford. It is the most popular of all Melons for shipping in baskets. The fruit is oval and slightly ribbed, and densely covered with a fine netting. It has a thick flesh; very sweet; finely flavored. They will grow very uniform in shape and color. Very productive. Large pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.05.



Extra Early Hackensack.

Banquet. A medium sized variety, nearly round, flattened at the ends, densely netted. Flesh dark rich salmon, uniformly thick, flavor unsurpassed, rivaling the Netted Gem. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.45.

Wernich's Selected Paul Rose, or Petoskey. The result of a cross between the well-known Osage and Netted Gem. It combines the sweetness of the Osage with the fine netting of the Gem. Added to this, the firmness of the rind, heavy texture of flesh and small seed cavity make it a most desirable market grower's melon. Flesh salmon. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.00.



Early Nutmeg.

Tip-Top. Of handsome appearance, round in shape and beautifully netted. The flesh is of excellent flavor, firm, sweet and juicy, and can be eaten almost down to the rind. In production it is unexcelled, setting freely and continuing to bear from mid to late season. Flesh yellow. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Garden Lemon. Resembles the Vine Peach in Fruit. Is somewhat smaller than Vine Peach, has thinner flesh, and is decidedly more acid, thus dispensing with sliced lemons which are so important in putting up the Vine Peach. As a fruit for preserves it cannot be excelled. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Vine Peach. Vegetable Orange, or Mango Melon. This fruit is a bright orange color, oval-shaped and about the size of an ordinary peach, which they resemble very much. They are excellent for preserves or sweet pickles, and when fully ripe are considered a delicacy sliced raw and served with sugar. Pkt. 10c; oz. 20c.

MUSKMELONS.

Emerald Gem. Where an extra early Melon for home use is wanted nothing can equal this superb sort. It is of medium size, outside skin emerald green and smooth. Ripens clean through to the rind, which is very thin. The flesh is thick and juicy, of a nice salmon color; for sweetness and rich aromatic flavor it is unequalled. A prolific bearer and just the Melon for the small grower. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

The Princess. This melon is one of the best for the home garden. In shape it is nearly round, with heavy netted dark green skin. The flesh is salmon color, thick, sweet and luscious. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.10.



Prolific Nutmeg. Medium size with flat ends. Very delicious. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 95c.

Extra Early Hackensack. Ten days earlier and also larger than the old Hackensack. Flesh light green and excellent in flavor; one of the best market varieties. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

The Osage. A remarkably fine variety, and a very profitable sort for market gardeners, as it is fully established as a standard sort, and will ever remain so. It is of medium size, oval in form, dark green in color, handsomely netted and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color; highly flavored and delicious to the rind. Cavity very small. It is a remarkable keeper and a good shipping melon. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.10.



Long Yellow Cantaloupe. Yellow flesh; very hardy and adapted for the north. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Jenny Lind. This is the earliest of the green fleshed sorts and one of the sweetest. It is round or flattened. In size it is small, being from three to five inches in diameter—a very convenient size for serving in halves. It is more largely grown in the great melon producing state of New Jersey than any other sort and is used in enormous quantities in the Eastern cities and at the seashore resorts. The vines are very prolific and the culture profitable. Large pkt., 5c; oz., 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.



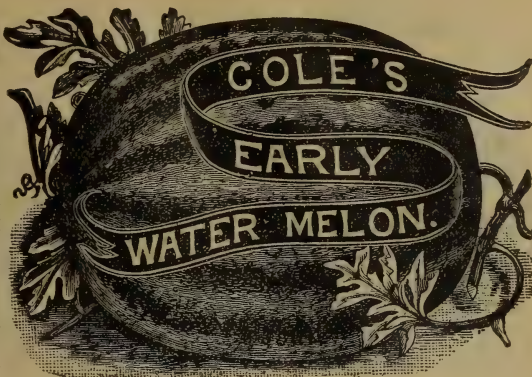
WE DELIVER ALL SEEDS FREE TO ANY POSTOFFICE IN THE UNITED STATES AT PRICES QUOTED.

WATERMELONS

German—Wasser Melone. French—Melon d'Eau.
Spanish—Sandia.

A light, sandy soil, with good exposure to the sun, is the best for Watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are required for exhibition purposes, leave but one or two melons on a vine. Plant in hills eight to ten feet apart each way, with a shovelful of well-rotted manure mixed with the soil in the hill. Plant eight or ten seeds in each hill, and, finally, when danger of insects is passed, leave but three strong plants. One ounce of seed for thirty hills, one to two pounds for an acre.

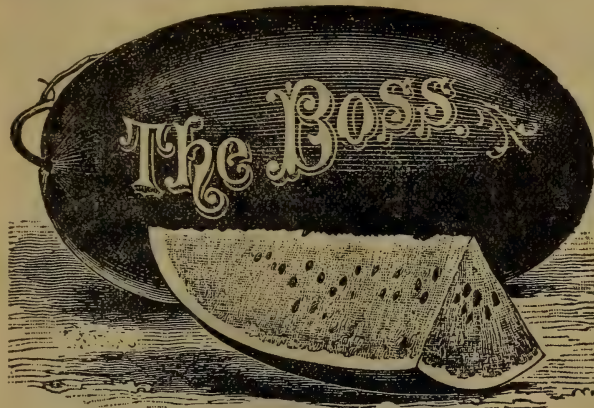
Cole's Early. A delicious and productive variety for the family garden, succeeding in Northern states. It is so early that it matures in every state. Very hardy, the flesh is deep red in color, clear to the rind, and is most sweet and delicate in flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.



Gypsy, or Georgia Rattlesnake. One of the largest varieties, and stands shipment long distances. Fruit cylindrical, square at the ends, smooth, distinctly striped and mottled light and dark green. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

Cuban Queen. In quality equal to the best while its solidity is so marked that it weighs one-third more than melons of the same size of other varieties, specimens often weighing 80 lbs. and upwards. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

Kolb's Gem. Vines vigorous and healthy. Leaves of medium size, deeply cut with a peculiar frilled edge. Fruit of the largest size, round or slightly oval, marked with irregular mottled stripes of dark and light green. Outer rind or shell exceedingly hard and firm. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.



Mountain Sweet. An old reliable sort, of good quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

Ice Cream or Peerless. Rind thin, light mottled green. Flesh bright scarlet. Solid to the center. Sweet as honey. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

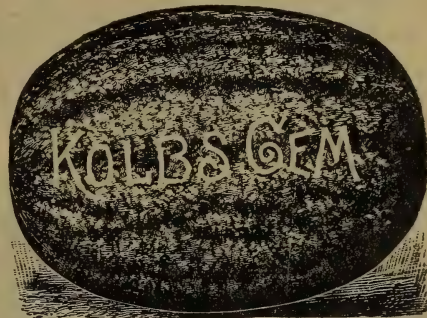


Citron. Round and handsome, for preserving; red seed. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

Mammoth Ironclad. An oblong melon having a rind of such remarkable strength and impenetrability as to render it perfectly "ironclad"; hence the best shipper produced to date. Flesh red, sweet, tender, crisp and juicy. Heart very large. The keeping qualities of this melon are remarkable. Whether plucked or left upon the vines, they remain perfectly fresh fully one month after ripening. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 65c.

Colorado Preserving. Used for preserves; green seed. Pkt. 3c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

The Dixie. A watermelon conceded to be the best shipper and keeper grown. It is large, ten days earlier, more beautifully striped and of finer appearance than Kolb's Gem. Skin dark green, striped; flesh bright, deep scarlet, sweet tender and juicy. A most valuable cropper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.



Boss. Early, oblong-shaped. Flesh deep scarlet and unusually sweet flavored; skin dark green, rind very thin and tough. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 65c.



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ONIONS.

German—Zwiebel. French—Oignon. Spanish—Cebolla.

The onion is most successfully grown in a deep, rich, loamy soil, and, unlike most vegetables, does best when cultivated in the same ground for a succession of years. Trench and manure the ground well in the fall, and turn up in ridges during the winter, and as early as the ground will work in the spring, rake or harrow thoroughly so as to get the soil fine and level. Sow thinly in drills half an inch deep, twelve inches apart, and cover with fine soil, pressing it down with the back of a spade or light roller. Keep the ground free from weeds and thin out the young plants so they may stand three or four inches apart. 1 oz. to 100 feet of drill; 4 to 5 lbs. to the acre.

Yellow Strasburg. One of the best keeping sorts. Bulb flat, skin dark yellow, flesh white, solid and flavored. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 55c; lb. \$1.90.

White Portugal. A large, flat, clear, white-skinned onion of handsome appearance and mild flavor. It is desirable for family use and is also planted for sets and pickles. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

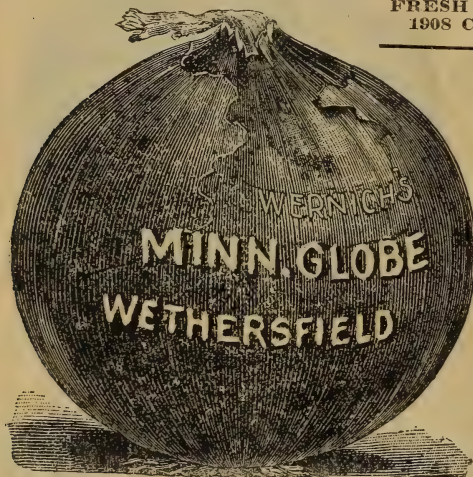
Three Varieties of Superior Quality.

Australian Brown. An extra early, long-keeping, medium sized, globe shaped onion, ripening three or four weeks ahead of Red Wethersfield. The color is a clear brown amber, and they are remarkable keepers, onions having been kept a whole year in first-class condition. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.95.

Minnesota Globe Wethersfield. An improvement over the old Red Wethersfield, from which it differs not only in purity of stock, and perfection of shape, but in earliness, productiveness, and beauty of color. Globe-shaped onions are preferable and more profitable than flat varieties to grow, as they occupy no more room in the row, but weigh more and measure better. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

Minnesota White Globe. A new white onion of handsome shape, and beautiful appearance. The outer skin possesses that lustre so desirable yet so often lacking in White Globe stock. Flesh pure snow white and of an extremely mild flavor. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 85c; lb. \$3.25.

FRESH SEED,
1908 CROP.



Yellow Globe Danvers. Select stock. Our seed of this variety is the very best to be obtained, and is of a stock of the true Globe. Its uniformity of size and shape of bulbs and its long keeping qualities places it in the lead of all yellow onions. It frequently produces 800 to 1,000 bushels per acre, and capable of doing even better under extra culture. It is early and profitable. The entire crop ripens down at one time and winters well. Gardeners will do well to buy only from us. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.65.

Round Yellow Danvers. It differs from Yellow Globe Danvers mainly in shape, being more flattened. The claim is made for it that it ripens more surely in moist situations than the globe-shaped sorts, and that it is a little earlier. It is certainly a first-class onion in yield, flavor and keeping qualities, and is a type of one of the most distinct and celebrated American strains. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

New Genuine Prizetaker. The king of all Yellow Globe Onions; has proved the greatest acquisition in years. The very largest, handsomest, finest flavored of all. It is of a very bright, clear straw color, and always grows to a uniform shape, which is a perfect globe. Has a very small neck, and always ripens up large and fine without any stiff neck. The Prizetaker has produced the seemingly fabulous yield of 2,000 bushels per acre. Many are offering Spanish King and similar varieties under the name of Prizetaker. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.

Extra Early Flat Red. A medium sized variety, producing abundantly and coming into use about two weeks earlier than the Wethersfield. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

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Extra Early Red Globe. Of the well-known Southport strain, maturing as early as the early Flat Red and Danvers. The Southport strains are much sought after, owing to their handsome appearance and to their being much heavier croppers than the flat types. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.10.

Large Red Wethersfield. This is the most popular standard variety for winter market in many Northern States. It is not an early ripening sort, as it continues in growth throughout the season, and consequently makes very large onions. Continued selection of bulbs planted for seed give us a small-necked sure-ripening strain, entirely free from scallions or thick-necks. Though well flattened, the solid onions are thick through, as shown in the photograph of a specimen bulb reproduced above. This onion shows natural size, weight exactly six ounces. The outer skin is a deep rich, purplish red, smooth and glossy; flesh white, lightly tinged with pinkish rose. The large solid onions are nearly as mild in flavor as many varieties with skin of lighter coloring, while they keep well to hold crops for the late winter markets. There is no better strain of the true large Red Wethersfield in cultivation today than that offered by us. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

Southport White Globe. A large, handsome, globe-shaped onion, skin and flesh a beautiful clear white. Flesh firm, very fine grained and exceedingly mild in flavor. A splendid keeper. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 95c; lb. \$3.25.

Southport Red Globe. Of handsome globe shape and rich deep red color, making it a very desirable variety. It is an excellent keeper, a very heavy cropper and of excellent quality. We offer the true Southport strain which is unequalled. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.

Southport Yellow Globe. A large perfectly shaped Globe onion and an excellent onion for keeping throughout the winter. A very heavy cropper, handsome in appearance and good dark yellow color. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.60.



BERMUDA ONIONS.

These onions grow to an immense size and are of a beautiful form. The skin is very thin, flesh white, fine grained, of mild and pleasant flavor. It will grow an onion from 1 to 1½ pounds from seed, but to attain full size, set out the bulbs the following spring.

Bermuda Island White. Grown in many sections of the south to the exclusion of all other sorts. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

Bermuda Island Red. Same as Bermuda White, except in color, which is red. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.75.

PICKLING VARIETIES.

White Queen. Bulbs small, flat, pure white and of mild flavor. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

White Silverskin. For bunching or pickling. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.



ITALIAN ONIONS.

White Pearl. Extra early; a splendid Italian onion of mild flavor; flesh and skin pure white. Good keeper. This onion has won first premium at all fairs whenever shown. Our strain is particularly fine. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 65c; lb. \$2.25.

Mammoth Pompeli (Red Garganus). Grows to an enormous size, single onions often weighing from 4 to 5 lbs.; skin pale, reddish brown; flesh white, fine grained, very mild. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.45.

Mammoth Silver King. This mammoth variety is one of the largest in cultivation, averaging from 15 to 22 inches in circumference, often weighing from 2½ to 4 pounds each. It matures early and is of uniformly large size and fine shape, being flattened, but thick. The skin is of a beautiful silver-white, flesh snowy and tender; of mild, sweet flavor. Its striking size and handsome appearance, as well as mild flavor, recommend it for exhibition at fairs, for the fancy market as well as the table. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.60.



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ONION SETS.

Bottom Sets are sold by measure. Multiplier, Button and Egyptian, by weight, 28 lbs. for a bushel.



Onion Set Prices. Prices are based on present market rates and are subject to change, according to the market without notice. Lowest market prices on small or large quantities will be given on application at any time.

BOTTOM ONIONS, OR ONION SETS.

Are produced by sowing the seed thickly in the spring, in beds or drills, and about the end of July or wherever the tops lie down, the little bulbs are gathered and reset in the spring to make large Onions.

Yellow Bottom Sets. Prepaid, pt. 15c; qt. 25c; Not prepaid, pt. 10c; qt. 15c; peck 65c; bu. \$2.50.

White Bottom Sets. Prepaid, pt. 15c; qt. 30c; Not prepaid, pt. 10c; qt. 20c; peck 80c; bu. \$3.00.

Red Bottom Sets. Prepaid, pt. 15c; qt. 30c; Not prepaid, pt. 10c; qt. 20c; peck 80c; bu. \$2.75.

WINTER EGYPTIAN, OR PERENNIAL TREE.

When once set out they grow for years without protection. They form no large bulbs, but divide and grow as many as fifteen or twenty small onions in a bunch. Prepaid, pt. 15c; qt. 25c. Not prepaid, pt. 10c; qt. 15c; peck 60c; bu. \$2.00.

TOP SETS OR BOTTOMS. "TOPPYS."

These produce the small clusters on the top of the stem. These small ones are planted in the spring and the result is large onions, and these large ones with one year's growth produce the clusters on top. Prepaid, pt. 15c; qt. 30c. Not prepaid, pt. 10c; qt. 20c; peck \$1.00, bu. \$3.50.

MULTIPLIERS, OR POTATO ONION SETS.

Are enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted; of excellent quality and size for bunching green; or can be ripened for use as pickling onions.

White. Prepaid, pt. 25c; qt. 40c. Not prepaid, pt. 20c; qt. 30c; peck \$1.25, bu. \$4.00.

Yellow or Shallots. Prepaid, pt. 25c; qt. 40c. Not prepaid, pt. 20c; qt. 30c; peck \$1.25; bu. \$4.25.

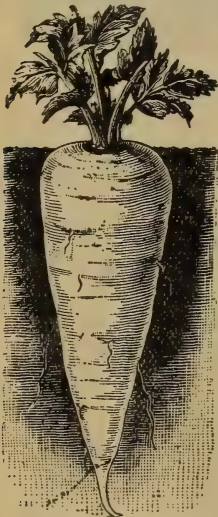
PARSNIPS.

German—Pastinake. French—Panais. Spanish—Chirivía.

Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter as frost improves the quality of the roots.

Hollow Crown. Roots comparatively short, with a very smooth, clean skin. The variety is easily distinguished by the leaves arising from a depression on the top or crown of the root. Pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 15c; 1 lb. 50c; prepaid.

Guernsey. The best sort for heavy, black soils. In the vicinity of Chicago, where the soil is exceedingly rich, this is the variety needed, as it makes a fine shaped root which does not grow too long. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c; prepaid.



Guernsey Parsnip.



Turnip Rooted Parsley.

You are sure to get the best Vegetable Seeds from us. We sell to market gardeners who must have only the best.

PARSLEY.

German—Petersilie. French—Persil.

Parsley thrives best in a rich soil. The Seeds germinate very slowly, three or four weeks generally elapsing before it makes its appearance. Sow half an inch deep, previously soaking the Seeds for a few hours in tepid water.

1 oz. to 150 feet of drill.

Fine Doubled Curled. A fine dwarf variety. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c; prepaid.

Plain. The leaves are plain; it is harder than the curled. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c; prepaid.

Hamburg or Turnip Rooted. The roots are used for flavoring soups. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 60c; prepaid.



Double Curled Parsley.

PEPPER.

German—Pfeffer. French—Piment. Spanish—Pimiento.
Sow in hot beds in March, and when the soil has become warm, set in rows two feet apart and eighteen inches in the row.

Procuyp's Giant. Scarlet red fruit, eight to ten inches in length and three inches in diameter. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75.

Ruby King. Large, bright red fruit, mild. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.65.

Sweet Spanish. (Bell shaped.) A pickling variety. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75.

Golden Dawn. Handsome and mild. Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

Chili Red. Productive and largely used for pickling. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75.

RHUBARB.

Pie Plant—Wine Plant.

German—Rhabarber. French—Rhubarbe. Spanish—Ruibarbo.

A deep, rich soil is best for Rhubarb. Sow early in drills eighteen inches apart and one inch deep; the spring following transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce makes about 600 plants.

Linnaeus. Very early, large and crisp. Pkt. 5c; oz. 10c; ¼ lb. 40c; lb. \$1.25.

Victoria. Large and later than Linnaeus. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.



Pepper.

PEAS.

German—Erbse. French—Pois. Spanish—Guisante.

For the first early peas sow in a light, rich soil, as early in March or April as the ground can be worked; for later varieties sow in April or May. Discontinue sowing from June to August, after which, by sowing an extra early sort, a good crop can generally be secured. As peas suffer considerably from drought during the hot summer months, it will be found of great benefit to sow the peas in a trench six inches in depth, covering the peas to a depth of two inches. As soon as sufficient growth has been made draw the earth about the vines. In this way a great deal more moisture is kept about the roots than if sown on the level and afterwards hilled up. Dwarf varieties sow in rows one foot apart, and the taller sorts from two to three feet apart.

Those marked (*) are wrinkled. One quart to 75 feet of drill. Two bushels to an acre in drills.

EXTRA EARLY VARIETIES.

*"THOMAS LAXTON."

An Extra Early, Large Podded, Sweet, Wrinkled Pea.

This fine new early pea was raised by crossing Gradus, which is in itself a sensationally early and large podded variety, with a very early seeding of the Alaska type. In earliness the Thomas Laxton is only 2 to 3 days behind the Alaska, but the pods are more than double the size, containing on the average 7 or 8 very large, sweet, wrinkled peas of the very richest flavor. The vines attain a height of from 3 to 3½ feet. It is superior to the Gradus, being earlier, hardier in constitution, and of darker colored pod. It is the best pea of all for market gardeners as well as for private gardeners, and received the award of merit from the Royal Horticultural Society of England. In flavor this pea is not surpassed, being as sweet as the Champion of England, which up to the time of the introduction of the Thomas Laxton, has been, in our estimation, the sweetest pea of all. The quantity we have to offer this season is limited, and we suggest that all those who wish to try this magnificent pea send in their orders at an early date. Large pkt. 10c; pt. 30c; qt. 45c; postpaid. By express or freight: pt. 20c; qt. 30c; 4 qts. \$1.25; pk. \$2.25; bu. \$7.90.

GRADUS OR PROSPERITY.

This pea grows about thirty inches high, requires no support, though sticks or bushes can be used if preferred. The pods are large, nearly round and plump, bright green in color, well filled with peas that are sweet, rich and mellow. Prepaid, pkt. 10c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. \$1.25; pk. \$2.25; bu. \$7.90.

Wernich's First and Best. The best variety for market gardeners to plant, and for home use we have yet to find a better. Grows about 30 inches high. Vines vigorous, extremely prolific, the pods being numerous and well filled with peas of good size and delicious flavor. The vines can be stripped at one picking. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 55c; pk. \$1.50; bu. \$5.50.



PEAS—CONTINUED.

EXTRA EARLY VARIETIES.

Nott's Excelsior. This great pea is so hardy and vigorous that it may safely be planted in early Spring with any smooth variety, and can be counted on for table use almost as soon, while as everyone knows the quality of any wrinkled pea is far superior to any smooth. Time after time they have been fit for the table fifty days after planting, with the most ordinary cultivation. Pods are square and chunky, always containing from five to seven large peas, packed closely together. It grows to a uniform height, about one foot. Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. 95c; pk. \$1.75; bu. \$6.50.

Tom Thumb. Extra early. Height 12 inches. Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. 85c; pk. \$1.50; bu. \$5.75.

American Wonder. This variety is one of the Earliest Wrinkled Peas in cultivation. It is of dwarf and robust habit, growing from ten to twelve inches high, and produces a profusion of good sized and well-filled pods of the finest flavor. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. \$1.00; pk. \$1.85; bu. \$6.75.

Alaska. The earliest blue pea, very uniform in growth. The dark green color of the pods make it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable extra early pea for market gardeners and shippers; height 2 ft. Pre-

paid, pkt. 5c;
pt. 30c; qt. 45c.
Not prepaid,
pt. 20c; qt. 30c;
½ pk. 90c; pk.
\$1.65; bu. \$5.75.

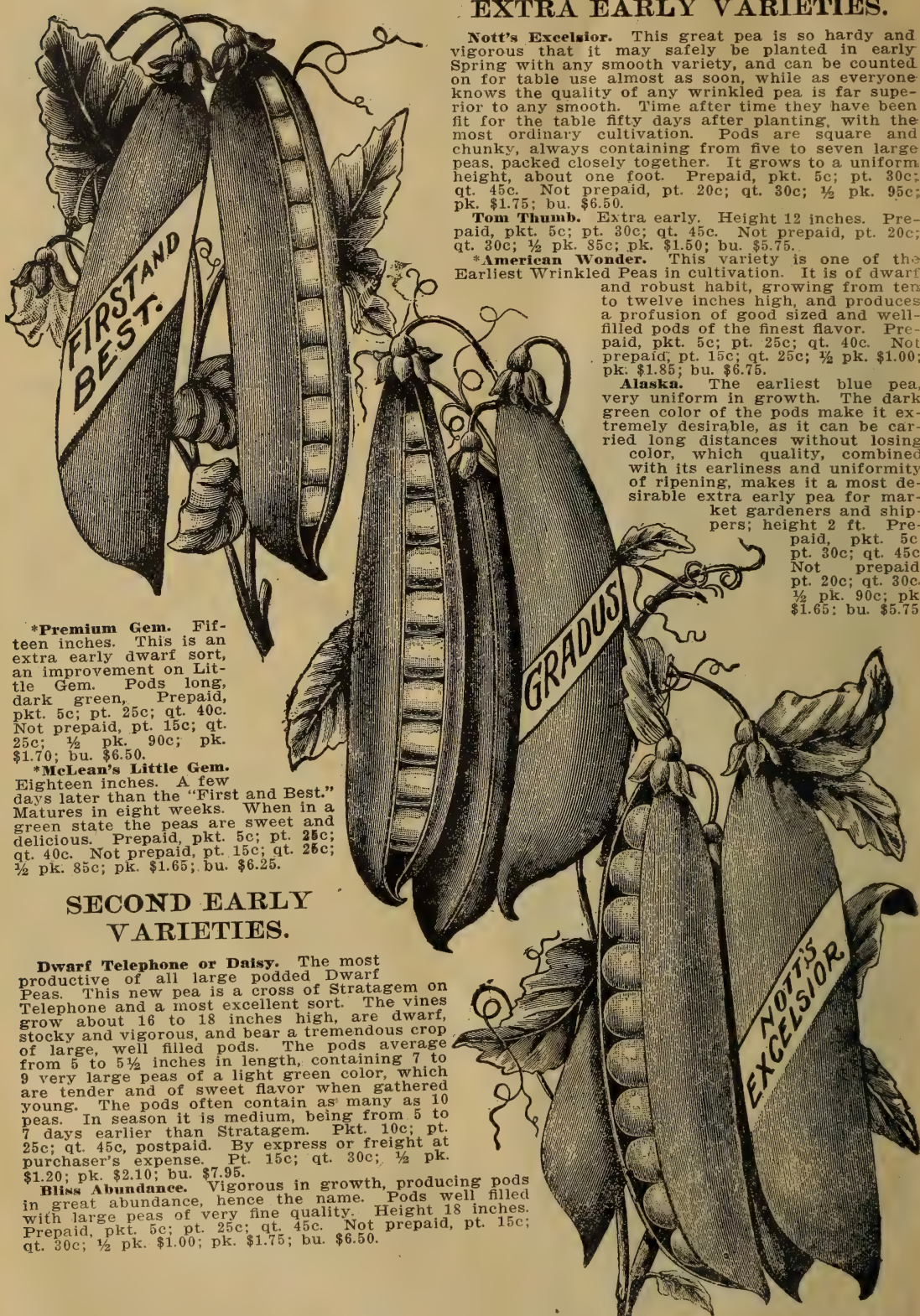
Premium Gem. Fifteen inches. This is an extra early dwarf sort, an improvement on Little Gem. Pods long, dark green. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 90c; pk. \$1.70; bu. \$6.50.

McLean's Little Gem. Eighteen inches. A few days later than the "First and Best." Matures in eight weeks. When in a green state the peas are sweet and delicious. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 85c; pk. \$1.65; bu. \$6.25.

SECOND EARLY VARIETIES.

Dwarf Telephone or Daisy. The most productive of all large podded Dwarf Peas. This new pea is a cross of Stratagem on Telephone and a most excellent sort. The vines grow about 16 to 18 inches high, are dwarf, stocky and vigorous, and bear a tremendous crop of large, well filled pods. The pods average from 5 to 5½ inches in length, containing 7 to 9 very large peas of a light green color, which are tender and of sweet flavor when gathered young. The pods often contain as many as 10 peas. In season it is medium, being from 5 to 7 days earlier than Stratagem. Pkt. 10c; pt. 25c; qt. 45c, postpaid. By express or freight at purchaser's expense. Pt. 15c; qt. 30c; ½ pk. \$1.20; pk. \$2.10; bu. \$7.95.

Bliss Abundance. Vigorous in growth, producing pods in great abundance, hence the name. Pods well filled with large peas of very fine quality. Height 18 inches. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ pk. \$1.00; pk. \$1.75; bu. \$6.50.



SECOND EARLY VARIETIES.

***Alderman** (Admiral Dewey) or Improved Telephone—A splendid new large podded Pea of vigorous habit. The pods are larger than Telephone, color dark green, and are well filled with large peas of excellent flavor. Prepaid, pkg. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ pk. \$1.00; pk. \$2.00; bu. \$7.50.

***Heroine.** A new medium early, green wrinkled Pea, of very superior quality. It grows to a uniform height of 2½ feet, bearing very large, well-filled pods in great profusion. This is without doubt the best of the Second Early Peas. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ peck \$1.00; peck \$1.90; bu. \$7.00.

Horseford's Market Garden. Standard sort, prolific. Height 30 inches. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ peck 35c; peck \$1.50; bu. \$5.50.

TELEPHONE.

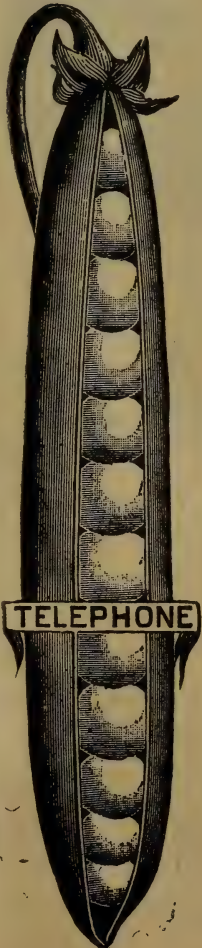
Immense Pods, well filled with large Peas of a rich sugary flavor. The best of all the main crop peas.

The vines grow to about 4 feet in height and are enormously productive, producing in great profusion large well-filled pods. We have a very finely selected stock of this favorite pea. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ peck \$1.00; peck \$1.95; bu. \$7.50.

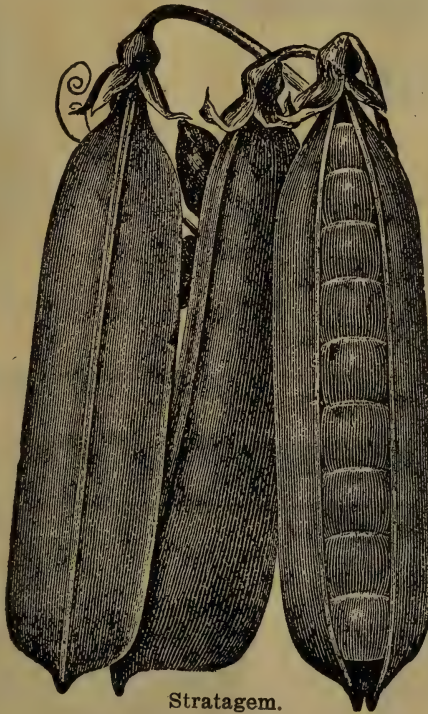
LATE VARIETIES.

French Canner. A small Pea, used extensively for canning purposes. Height 48 inches. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ peck 80c; peck \$1.50; bu. \$5.50.

For Field Peas see
page 50, Farm Seed
Department.



TELEPHONE



Stratagem.

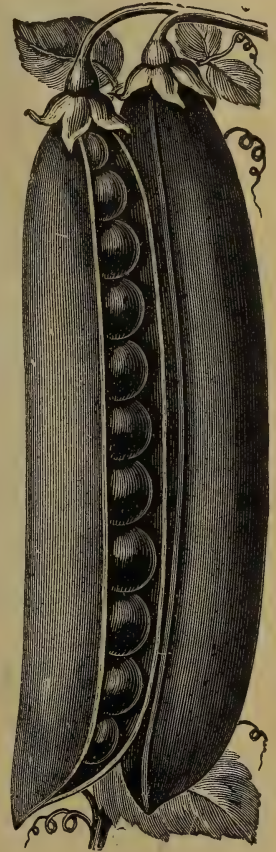
Improved Stratagem. A great improvement on the old Stratagem, which of late years has been going steadily back in quality. Height 12 inches. In this improved stock we have a late pea of medium height, a heavy cropper, producing large, dark green showy pods, well filled with peas of a superior quality. A grand market gardener's pea. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ peck \$1.00; peck \$1.95; bu. \$7.50.

SUGAR VARIETIES. Edible Pods.

***Dwarf Wrinkled Sugar.** Fine quality and productive. Height 18 inches. Prepaid pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ peck \$1.00; peck \$1.95; bu. \$7.50.

Mammoth Sugar. One of the best of the edibles. Height 5 feet. Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ peck 95c; peck \$1.85; bu. \$7.00.

Tall Gray Sugar. Height 5 feet. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; ½ peck 95c; peck \$1.75; bu. \$6.50.



Heroine.

BEST PEAS FOR TABLE USE.

They may be planted at the same time and will be ready for use in succession and furnish an abundance of delicious peas all summer.

SPECIAL OFFER.

Nott's Excelsior, Heroine and Telephone.

1 Pint each of these three for 65c, postpaid.

1 Quart each of these three for \$1.15, postpaid.



PUMPKINS.

German—Feld-Kuerbis. French—Potiron.
Spanish—Calabaza Fotanera.

Plant in May or early June, in hills eight feet apart each way. One ounce for fifteen hills; four to six pounds to an acre.

Calhoun. Very superior quality, yellow flesh, fine for pies. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 70c.

Large Cheese. Flat, and one of the best varieties for family use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Wernich's Mammoth Giant. The largest of all sorts, sometimes weighing 250 lbs. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 95c.

Connecticut. Grown for stock; productive. Pkt. 3c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 35c.

Negro. Pkt. 3c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 70c.

RADISHES.

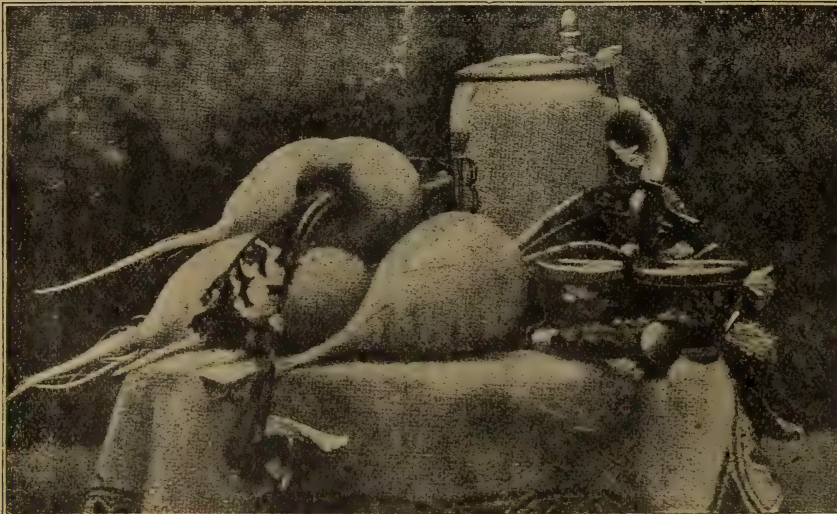
German—Radies. French—Radis. Spanish—Rabanos.

One ounce to about 100 feet of drill; 8 to 10 lbs. for an acre. The soil for radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use sow in gentle hot beds in February, and in open air as soon as the ground can be worked, at intervals for ten or twelve days for a succession, as long as they may be wanted. The turnip rooted are the best for sowing in the summer. The winter varieties should be sown in August, and lifted before severe frost and stored in the cellar.



Connecticut Field.

"MUNICH BEER RADISH."



The excellence of the radish thus produced is found in the mild but nevertheless hot agreeableness of flavor. It also cuts with a mellowness, which is a proof of the shortness and tenderness of the fibres.

The "Munich Beer-Radish" has a fine skin, does not throw outside roots and is not so subject to dryrot as the ordinary summer radish.

It can be grown in forcing beds as well as in the natural soil, although it should only be planted out when night frosts are no longer to be feared, as it is well known that the radish runs to seed upon the slightest cold. Price, pkg. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. 95c.

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RADISH—Continued.



Wernich's Early Erfurt.

Scarlet Turnip. (The Standard Variety.) Its shape is of the best type of the round sorts; one of the earliest, finest, juiciest, tenderest, sweetest and best radishes for early use grown. Rich red color, flesh white. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 50c.

Early Scarlet Turnip, White Tipped. Very early; color, bright scarlet, tipped with white; an excellent market variety. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 50c.

Scarlet Olive Shaped. Ripens in 25 days. A good marketing radish, and one that sells on sight on account of its fine shape and color. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

French Breakfast. Skin scarlet on the body and white at the extremity; flesh white, tender and mild. Of rapid growth. Pkt. 3c; oz. 10c; ¼ lb. 15c; lb. 55c.



White Strassburg.

White Summer Turnip. Very large and round in form. Pkt. 3c; oz. 10c; ¼ lb. 15c; lb. 50c.

Gray Summer Turnip. Very good variety for field sowing. Pkt. 3c; oz. 10c; ¼ lb. 25c; lb. 55c.

Golden Summer Turnip. Smooth and bright yellow skin. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 50c.

WINTER RADISHES.

California Mammoth Winter. This great white radish sometimes attains the length of a foot. It is firm, of high quality, and a good keeper. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 55c.

China Rose Winter. A popular favorite, with rose colored skin. It is a large and fine shape radish, growing partly above the ground. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 55c.

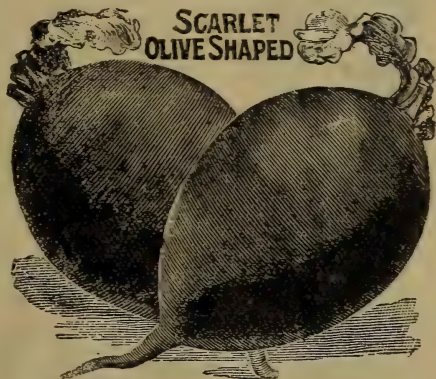
Round Black Spanish. A fine winter sort. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 50c.

Long Black Spanish. The popular winter sort. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 50c.

Wernich's Early Scarlet Erfurt. Quick growth is essential to produce crisp and tender radishes. We have it in "Early Erfurt" which matures in 20 days after sowing. This makes it the most valuable for forcing or out door culture. The tops are quite small the roots globular with deep red skin; flesh white, crisp and tender. It has a pleasant flavor, very mild. On account of smallness of tops it admits of very close sowing. Well suited for sowing under glass. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

Early Scarlet Globe. For forcing in green house, hot beds, or cold frames, and for sowing in the open ground early in the spring, there is no other red variety more desirable. It is entirely distinct and one of the earliest; in flavor it is mild, crisp, juicy and tender. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 60c.

Earliest Deep Scarlet Forcing. This is one of the finest forcing radishes introduced, and has already taken a leading place with our market gardeners. It will mature in eighteen to twenty days, and owing to the extremely small tops, can be sown very thickly. The roots are round, with a deep scarlet colored skin; the flesh white, very crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.



Long Scarlet Short Top. Has a short and compact top. In shape it is somewhat shorter and thicker. In color the upper portion is of unusually deep brilliant red, which gradually shades to a deep waxy pink towards the end. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 60c.

White Strassburg Summer. This variety is a handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent. Pkt. 3c; oz. 10c; ¼ lb. 25c; lb. 70c.

Japanese Long White. Flesh pure white and crisp. Pkt. 3c; oz. 10c; ¼ lb. 25c; lb. 70c.

Stuttgart White Mammoth. Very early and very large. Pkt. 3c; oz. 10c; ¼ lb. 20c; lb. 50c.



White Tipped Scarlet Turnip.



Mammoth Sandwich
Island Salsify.

well manured ground; mulch with straw on approach of severe cold weather. One ounce for 100 feet of drill; 10 pounds for an acre in drills.

Victoria. Without question the best spinach for spring sowing, from the fact that it remains in fit condition for at least 2 or 3 weeks after all other sorts have run to seed. The leaves are heavy, broad and dark green, and of the finest quality. Pkt. 3c; oz. 5c; ¼ lb. 10c; lb. 30c.

Bloomsdale. Also called Norfolk Savoy Leaved. A great favorite with market gardeners along the Atlantic slope, from Pennsylvania and New Jersey southward. It has thick, dark green wrinkled leaves, and is perfectly hardy. Fine substance and flavor. One of the best for autumn sowing. Pkt. 3c; oz. 5c; ¼ lb. 15c; lb. 35c.

Round Leaf. This variety is generally preferred for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, it stands the winter very well. Pkt. 3c; oz. 5c; ¼ lb. 10c; lb. 30c.



SQUASH.

Squashes should not be planted until danger from frost is passed, but get in the winter kinds as soon as possible, in order that they may mature. Plant in hills 5 feet apart for bush varieties, and 6 or 8 feet for running varieties, putting 6 to 8 seeds to the hill, finally leaving but three plants. One ounce of the bush varieties for 40 hills; or of the large-seeded kinds, 15 hills. Two or three pounds of the bush, and three or four pounds of the large-seeded for an acre.

WINTER VARIETIES.

Boston Marrow. Oval, bright orange, flesh yellow. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c.

Prolific Marrow. A valuable and prolific sort. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c.

Bay State. Hard shell, for fall and winter. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c.

Hubbard. A late sort of superior quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 70c.

Mammoth Chilli. Enormous size of a rich yellow color. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

SALSIFY, OR OYSTER PLANT.

German—Bochsart. French—Salsifis. Spanish—Salsif Blanco. Grows best in light, well-enriched soil, which, previous to sowing the seed, should be dug up to a depth of eighteen inches. Sow early in spring in drills fifteen inches apart and one and one-half inches deep, and when the plants are strong enough, thin out to six inches apart. One ounce to 70 feet or drill.

Large White. Very thick and smooth. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.
Mammoth Sandwich Islands. Large and superior. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.20.

SCORZONERA, OR BLACK OYSTER PLANT.

Requires the same treatment as Salsify.

Black. Is prepared the same as Salsify for the table. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

SEA-KALE.

German—Seekohl. Meerkohl. French—Crambe Maritime.

Grown for its blanched shoots, which are cooked as Asparagus. By putting the roots closely in a warm cellar, a supply may be had all winter. Sow in drills two feet apart, thin out to six inches, and the following spring plant in hills three feet apart. Pkt. 10c; oz. 30c; ¾ lb. \$1.00; lb. \$3.00.

SORREL.

German—Sauerampher. French—Oseille. Spanish—Acedera.

Sow in spring in drills eighteen inches apart, in a rich soil, and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Broadleaved. Extensively used among the Germans. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

SPINACH.

German—Spinat. French—Epinard.
Spanish—Espinaca.

For spring use, sow early in drills one foot apart, and for succession every two weeks. As it grows, thin out for use, keeping it clear of weeds. For fall use sow in August; for winter use, sow in September in



Victoria.

Round Thick-Leaved. A decided improvement over the Round Leaf, thicker leaved and very tender. The best all-round sort either for the home garden or market grower. Pkt. 3c; oz. 5c; ¼ lb. 10c; lb. 30c.

Long Standing. An improved round seeded strain of excellent merit, having all of the good qualities of the ordinary sorts and continuing in condition for use much longer. The leaves are smooth and very dark rich green. Cannot be beat for market and family purposes. Pkt. 3c; oz. 5c; ¼ lb. 10c; lb. 30c.

Prickly. Stands the winter well, but gives less bulk than the round leaf. Pkt. 3c; oz. 5c; ¼ lb. 10c; lb. 30c.

New Zealand. Withstands heat and drought and produces leaves in great abundance throughout the summer in the hottest climates, and where ordinary spinach will not do well; should be started in heat and transplanted three feet apart each way, into light, rich soil. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.



Hubbard.

SQUASH

CONTINUED.

SUMMER VARIETIES.

Delicata. The earliest and most prolific of the vine squashes. Can also be sown for winter. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

Giant Summer Crookneck. The largest squash. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c.

White Bush. Very early, a favorite market sort. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Golden Custard Bush. Resembles White Bush, excepting color. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.



Summer Crookneck
Squash



White Bush.

TOBACCO

Culture—Sow seed as soon as danger of frost is over, in land on which brush has been burned; or else wood ashes on seed bed. Pulverize soil of seed bed thoroughly. When plants are 6 inches high, transplant into hills 4 to 5 feet apart each way, and cultivate frequently. An ounce of seed will produce plants for an acre. Cover seeds lightly.

True Imported Havana. Best of all for the manufacture of cigars, but inclined to deteriorate; hence the necessity of renewing the seed each year. Pkt. 5c; oz. 25c; ¼ lb. 85c; lb. \$3 00.

Connecticut. Fine long leaf. Best adapted to the Northern states. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Sumatra. It is this variety from which the famous Sumatra wrappers are made. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.50.



Tobacco.

TOMATOES

German—Liebesapfel. French—Tomato. Spanish—Tomate.

The seed should be sown in a hot-bed about the first week in March, in drills five inches apart, and half an inch deep. When the plants are about two inches high, they should be set out about four or five inches apart in another hot-bed. About the middle of May the plants may be set in the open ground; they are planted for early crops on light, sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotten manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. One ounce will produce about 2,000 plants.

"LIVINGSTON'S GLOBE."

The fact that this is another new tomato, originating with the Livingstons, of world-wide tomato fame, will be sufficient to warrant most growers of fine tomatoes to give it a liberal trial. It is of beautiful globe shape, with quite a percentage of elongated (stem to blossom) fruits, which permits of a greater number of slices being taken than with the flat fruited sorts. Among the very first to ripen, although of large size, very smooth, firm fleshed, few seeds, ripens evenly; color a beautiful glossy rose, tinted purple. Flavor very delicate and agreeable; splendid slicing variety. The fruit is borne on short jointed branching plants in great abundance—literally loaded with fruit. A good general

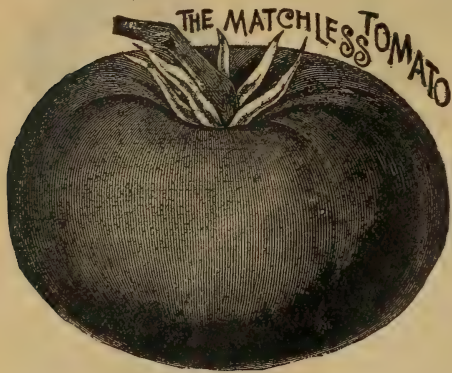
cropper, and one of the very best for green house growing or first early crop on stakes or trellis. Price, pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.25.

THE NEW STONE. We call this the king of the livingston kinds, which are the best types of the large, smooth, solid, "beefy" tomatoes. Color, fine scarlet, stem (calyx) set high, core small and shallow, so that little is lost when it is taken out of the fruit before slicing. Price, pkt. 5c; oz. 20c; ¼ lb. 55c; lb. \$1.90.

PERFECTION. Solid flesh, always smooth and of blood-red color. This is a general favorite, equally desirable for the home garden, for shipping and for canning. We have an exceptionally choice stock of this sort. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

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Matchless. The color is a rich, cardinal red. The skin is so tough that it is a splendid keeper and shipper, and is less liable to crack in the wet weather than any other large tomato. Unsurpassed for market or for table. The plant is a strong grower, and is very productive, bearing with undiminished vigor until frost. The fruit is free from core, and the seed-spaces are comparatively small. Pkt. 5c; oz. 25c; ¼ lb. 70c; lb. \$2.40.

Improved Dwarf Champion. This is a purple fruited variety, which forms very strong plants about two feet high. The branches are short, making a bushy plant that stands quite erect without stakes. This sort is often sold as Tree Tomato. Fruit smooth, medium sized, color purplish pink, fairly solid, but has no hard core, and is of good flavor. About as early as any purple fruited tomato. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.



Golden Trophy.

Golden Trophy. Queen of all the Yellows. Its superior flavor has brought it into general favor as a table fruit. It is solid, always smooth, entirely free from ridges, large in size, ripens early, and is the most beautiful yellow variety ever sent out. Pkt. 10c; ½ oz. 15c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

Ponderosa. This grand new variety is the monster of the Tomato family, the tomatoes often weighing 2 to 3 pounds each. Of a rich, bright crimson color and all solid meat, exceptionally free from seeds. Extremely delicious in flavor, whether used raw or cooked. A single tomato is enough for a meal. Pkt. 5c; oz. 30c; ¼ lb. 80c; lb. \$2.75.

Yellow Plum. A small variety, extensively used for pickling. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Red Cherry. A small cherry-shaped variety, red in color, principally used for pickling. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Strawberry or Winter Cherry. This delicate husk-enveloped tomato is unequalled for making preserves and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unexcelled. They keep until mid-winter or longer. Have a strawberry flavor, and are very productive, and sell first-rate in market. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.10.

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DWARF STONE TOMATO.

In habit of vine it resembles Dwarf Champion, but is of stronger growth and more erect. The fruit resembles the Stone in color, shape and what is more remarkable, for an erect sort, it is practically the same size. Ten fruits picked from one vine at same time weighed five pounds three ounces. Five fruits selected by eye for average size weighed two pounds nine ounces. This was under field cultivation on farm land, with no fertilizer. Specimens weighing one pound each are quite common. The new Dwarf Stone is fully double the size of Dwarf Champion, and yet equally as early. It is fully as prolific, and consequently vastly more productive. The strong upright habit of growth of the Dwarf Stone admits of very close planting, at least a half closer each way than the distance required for the ordinary vining varieties. The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens very evenly, and is of the most excellent quality. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

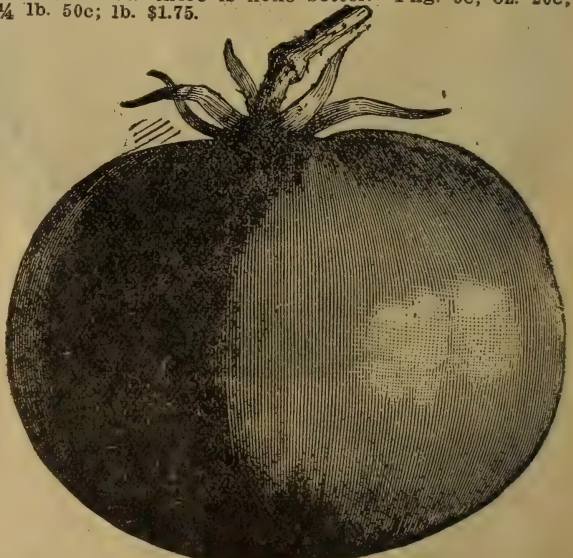
Livingston's Favorite. Large, perfect form, smooth skin, firm flesh. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.



DWARF CHAMPION.

Early Minnesota. One of the best sorts for general market or family use. Very smooth and regular in shape, uniform in size and color, and free from rot or cracking. Vines large, with dark green leaves, vigorous and wonderfully productive. Being under high culture, one of the heaviest croppers. Fruit medium size to large, perfectly smooth, solid, but without any core. Deep rich red color, of excellent flavor. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Acme. One of the most popular kinds on our list, giving entire satisfaction. A favorite everywhere; large, round, smooth, slight purple tint; one of the best. Our seed has been grown with particular care and we know there is none better. Pkg. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75.



Ponderosa.

TURNIPS.

German—Steckrube. French—
Navet. Spanish—Nabo Comun.



Turnips may be sown at all seasons, from April to August in our climate, although those will be the best which are sown very early in the spring for summer crop, and early in August for the fall and winter crop. A light soil well manured the previous year, is the best; no manure should be applied at the time of sowing, unless it be well decomposed compost, or the roots are liable to be had flavored. One ounce will sow 150 feet drill. Two pounds will sow 1 acre in drills. One pound will sow 1 acre broadcast.

Extra Early Purple Top Milan. A splendid new strap-leaved variety that is ready for use fully two weeks earlier than the Purple Top Strap Leaf and one week ahead of the Purple Top Munich. The bulb is of medium size, quite flat, smooth, and has a bright, fresh purple top. The flesh is pure white, solid, fine-grained and of the choicest quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 55c.

Purple Top Strap Leaf. Tops small, bulb mostly above ground, of medium size and flat. Skin white below the surface, and clear, bright purple above. Flesh white, sugary and remarkably well flavored. Very early, hardy and prolific. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Purple Top White Globe. The name of this most excellent variety affords for it a very accurate description. It is early and a heavy cropper, as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

White Six Weeks or Snowball. Bulb of medium size and spherical. Skin white and smooth. Immature flesh, fine grained, tender and sweet. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c.

White Egg. Tops small and rough-leaved. Bulb oblong, and produced mostly out of ground. Skin pure white and perfectly smooth. Flesh firm, sweet and mild. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Early White Flat Dutch. Bulb of medium size and flat. Skin pure white. One of the surest croppers of the early garden sorts. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Pomeranian White Globe. A large and most perfect globe in shape; skin white and smooth. Of strong growth and one of the most productive varieties. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Large Amber Globe. Flesh yellow, fine grained and sweet; one of the best for table and stock. Skin yellow, with green top. Grows to a large size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Long White or Cow Horn. The roots are shaped like a carrot, about half of which is formed above ground; flesh white, fine grained and sweet. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Teltan, or Small Berlin. Very small, spindle-shaped roots; the rind has a peculiar flavor, and should not be taken off when used; esteemed for flavoring soups. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

RUTABAGAS

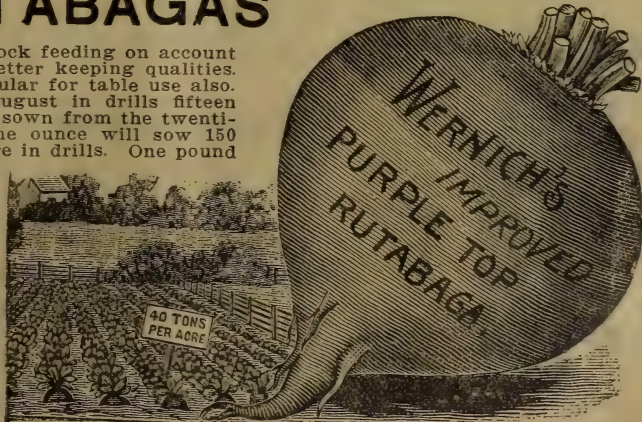
Rutabagas are really preferable for stock feeding on account of their superior nutritive, as well as better keeping qualities. Some of the finest are desirable and popular for table use also. They should be sown from April to August in drills fifteen inches apart, and for winter use may be sown from the twentieth of June to the middle of July. One ounce will sow 150 feet of drill. Two pounds will sow 1 acre in drills. One pound will sow one acre broadcast.

Wernich's Improved Purple Top. Tops very small. Bulbs large, having few, if any, roots. Skin deep purple above, bright yellow underneath. Flesh golden yellow, of fine texture, sweet and of richest flavor. Very hardy, unusually productive, and a good keeper. Desirable for table use and stock feeding. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Bloomsdale Purple Top. A standard and productive sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Large White. Large and productive. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.

Yellow Swede. For table or stock use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c.



AROMATIC, MEDICINAL AND POT HERBS.

Any
12 Pkgs.
for Fifty
Cents.



SWEET BASIL.



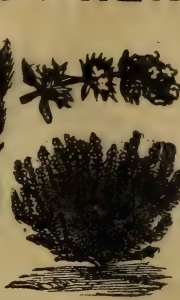
SAGE.



SWEET MARJORAM.



SUMMER SAVORY.



THYME

All
24 Pkgs
for One
Dollar.

Anise (*Pimpinella anisum*). Used for cordial, garnishing and flavoring; the seeds have an agreeable, aromatic taste. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 95c.

Balm (*Melissa officinalis*). The leaves have a fragrant odor, and are used for making a pleasant beverage known as balm wine; also for balm tea, for use in fevers. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

Basil, Sweet (*Ocimum basilicum*). The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

Borage (*Borago officinalis*). The leaves are used for flavoring and the flowers furnish bee pasture. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Caraway (*Carum carui*). Grown for the seeds, which are used extensively for the flavoring of bread, pastry, etc. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Catnip, or Catmint (*Nepeta cataria*). The leaves and young shoots are used for seasoning. It makes also an excellent bee pasture. Pkt. 10c; oz. 40c.

Chamomile (*Matricaria chamomilla*). Used for tea; by many considered a household necessity. Pkt. 10c; oz. 75c.

Coriander (*Coriandrum savitum*). The seeds are used in the manufacture of liquors and confectionery. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Dill (*Anethum graveolens*). The seeds have an aromatic odor, and warm, pungent taste. They are used as a condiment, and also for pickling with cucumbers. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c.

Fennel, Sweet (*Anethum foeniculum*). The leaves boiled are used in fish sauces. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 75c.

Horehound (*Marrubium vulgare*). The leaves are used for seasoning and also in the manufacture of the popular cough remedy. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

Hyssop (*Hyssopus officinalis*). A hardy perennial with an aromatic flavor. The flowering summits and leaves are the parts used. It does best on a dry, sandy soil. The plants should be thinned to 12 inches apart. Pkt. 5c; oz. 25c.

Lavender (*Lavendula vera*). A hardy perennial, growing about two feet high. It is used for the distillation of lavender water, or dried and used to perfume linen. Pkt. 5c; oz. 20c.

Marjoram, Sweet (*Origanum marjoram*). The leaves and the ends of the shoots are esteemed for seasoning in summer, and also dried for winter use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Pennyroyal (*Mentha pulegium*). The true Pennyroyal is but little known. Pkt. 10c; oz. 75c.

Rosemary (*Rosmarinus officinalis*). The aromatic leaves are used for seasoning. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 85c; lb. \$3.00.

Rue (*Ruta graveolens*). For medicinal purposes; good for fowls, for the roup. Pkt. 5c; oz. 15c.

Saffron (*Carthamus tinctorius*). A hardy annual from Egypt. Cultivated for its flowers, which are used in dyeing and to make the cosmetic powder called rouge. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Sage (*Salvia officinalis*). The most extensively used of all herbs for seasoning and dressing; indispensable. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

Summer Savory (*Satureia hortensis*). The leaves and flowers are used extensively for flavoring, particularly in soups and dressings. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 70c.

Tansy (*Tanacetum vulgare*). A hardy perennial. The leaves, when green, have a peculiar aromatic odor, which they lose in drying. Cultivated for its medicinal properties. Pkt. 10c; oz. 35c.

Thyme (*Thymus vulgaris*). This herb is perennial and is both a medicinal and culinary plant. The young leaves and tops are used for soups, dressing and sauce. Sow as early as the ground will permit. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 75c.

Wormwood (*Artemisia absinthium*). A perennial plant of strong and fragrant odor, and aromatic, but intensely bitter taste. The leaves are used as a tonic and vermifuge and as a dressing for fresh bruises. Is raised from seed and propagated by cuttings, or dividing the roots. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

Woodruff (*Asperula odorata*). Waldmeister. Must be sown in moist and shady places. It is used mostly for making May wine and for this purpose is in great demand. Pkt. 10c.

ASPARAGUS PLANTS.

Every gardener should possess an Asparagus bed. A good asparagus bed will produce for 50 years.

Conover's Colossal. The standard variety.

Palmetto. A favorite among market gardeners.

Columbian Mammoth. The largest variety known.

Prices: 1 year old plants, 25 for 50c; 100 for \$1.75, prepaid.

Prices on Application for Larger Lots.

HORSE RADISH.

The best horseradish is produced from small pieces of roots 4 or 5 inches in length. These small roots will produce radish fit for use in one season's growth. Plant the set small end down, where the slanting cut is so that the top will be two inches under the soil. By mail, postpaid, each 5c; doz. 25c; 50 for 60c; 100 for 90c. By express, not paid, 100 for 75c; 300 for \$2.00; 500 for \$3.00; 1000 for \$5.00.

Prices on Application for Larger Lots.

RHUBARB.

Set in spring they will furnish leaf-stocks the following season.

Mammoth. This is a very large sort. Early, tender and fine flavored. We have grown it with stalks 3 feet long and more than 2 inches through, and very tender and mild. Small plants, 15c each; \$1.50 per dozen, postpaid. By express, at purchaser's expense, large plants, each 25c; \$2.50 per dozen.



Horseradish.



Rhubarb.

WE DELIVER ALL SEEDS OFFERED ON THIS PAGE FREE AT PRICES QUOTED TO ANY POSTOFFICE IN THE UNITED STATES.

SELECTED FARM SEEDS.

CHANGE YOUR SEED.

All practical farmers agree that seed grown year after year under the same conditions of soil and climate "runs out" after a time, rendering a change of seed not only desirable but necessary. To such we offer **Northern Grown Stocks** of the **Best Varieties**, **Carefully Selected**, **Thoroughly Recleaned** and **Prices so Reasonable** as to enable every farmer who wishes to get a new start in **Seed Oats, Barley, Corn, Etc.**, to do so at a **Very Small Expense**.

ODERBRUECKER BARLEY.

THE GREAT NEW LEADER.

This great new six-rowed Barley originated from Germany, and has been bred on the Agricultural Experiment Station of Wisconsin for a number of years and was, two years ago, for the first time distributed among a great number of farmers. The reports from them show that the Oderbruecker Barley is the best barley that was ever raised in Wisconsin. The Wisconsin Experiment Station writes us in regard to this barley as follows:

"This variety of Barley was obtained by this Station from Ontario, Canada, and had been imported by the Station at Canada directly from Germany. It has been bred on the Experiment Station Farm here for 7 years and we think is the best barley we have ever experimented with. It does not yield very much more than the Mandscheuri barley, but gives a much better analysis so far as the protein content is concerned. This makes it a very fine feeding barley, and some of our brewers claim that the high protein content makes it a much better brewing barley as well."

Oderbruecker is a stiff-strawed, heavy-yielding, six-rowed, bearded variety. It is about the same as Mandscheuri in season, manner of growth and general appearance, but has a plumper kernel and is heavier. For stiffness of straw and rust resistance it is superior to any other variety. It has a protein content of 15 per cent., or nearly double the amount of protein found in other varieties. This makes it an exceptionally valuable feeding barley, a very important point when it is considered that leading farmers and stockmen are appreciating more and more the value of barley as a feed for all kinds of stock, horses as well as cattle. Pk. 40c; bu. \$1.25; 5 bu. \$5.50; 10 bu. \$10.50.

IMPROVED MANDSCHEURI.

Mandscheuri has for some years been the leading variety of barley and the most reliable one for a money-making crop. It is an early, six-rowed barley that grows very vigorous and strong, bearing long, well-filled heads of plump grain. The strong root formation and large stiff straw have always been characteristics of this barley, and for yield it has been wonderfully satisfactory. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 45c; bu. \$1.25; 2½ bu. \$2.90; 5 bu. \$5.50; 10 bu. \$10.50.

SUCCESS OR BEARDLESS BARLEY.

All barley growers have experienced the annoyance occasioned by the chafing and sticking of the beards while threshing. This nuisance has been overcome in the new Beardless Barley, which is entirely free from beards. This barley is six-rowed, the straw grows to a good height, is stiff and strong, and does not readily lodge. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 50c; bu. \$1.75; 2½ bu. \$4.25.

WHITE HULLESS BARLEY.

No Beards or Hulls. Great for Feed.

White Hulless is different from any other barley. The grain looks like wheat. It is almost as heavy as wheat, equal to wheat in feeding value, and will yield nearly twice as much. It succeeds in all barley-growing regions, and also in sections where common barley is not grown at all. It is very early, thus making a splendid nurse crop for seeding with clover; it is entirely beardless, with soft straw, splendid for feed. Many farmers cut it for a hay crop. It yields as high as 60 bushels per acre, and for feeding value is not surpassed by any other grain. Sow in spring, 1½ bushels per acre, and treat just as you would any other barley. Specially fine for poultry and for grinding for hogs. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 50c; bu. \$1.75; 2½ bu. \$4.25.

SEED RYE.

SWEDISH SPRING.

Used mainly as a catch crop when other winter crops fail. Rye is a cereal that is very little grown compared with other grain. We cannot see why the farmers don't sow more. It always has a steady market price very seldom less than 55c per bu. and the yield from good seed will average 40 bu. per acre. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 50c; bu. \$1.50; 2½ bu. \$3.50.

ST. JOHN'S RYE.

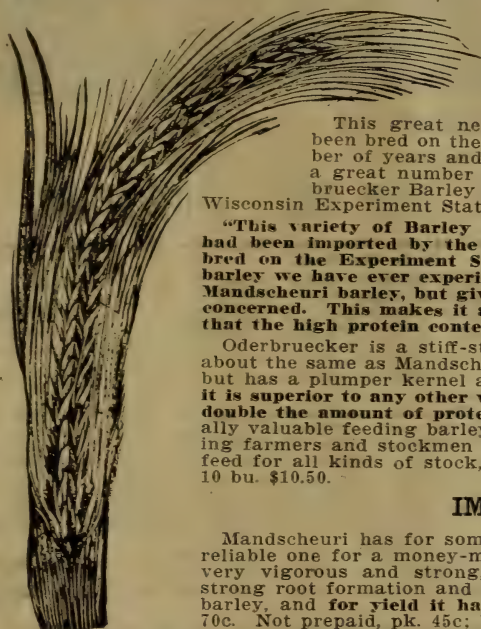
This is undoubtedly the only Rye to Sow, especially as a catch crop. None so prolific in straw or kernels as our "Matchless St. Johns."

The beauty of this Rye is that it can be sown early or late, it makes no difference, grow it will, wet or dry weather, and furnish abundance of Fodder. If your winter wheat or other crops prove a failure, we know of nothing that compares with St. John's Rye, and by sowing it you will get:

1. If sown before the end of June, two large crops of hay.
2. Enough for pasturing your horses and cattle until late in the season.
3. In the spring it will come up thick, early and luxuriant.
4. Can then again be used as a pasturage or by letting it run to seed will yield 30 to 35 bushels of fine seed Rye. Sown with Oats and Sand Vetches as a catch crop you will have Fodder to burn. If sown alone sow 40 lbs. to the acre.

Prepaid, lb. 30c; 5 lbs. \$1.25. Not prepaid, pk. 75c; bu. \$2.50.

Hulless Barley.





Yield over 100 Bus. per acre.

WERNICH'S IMPORTED SWEDISH OATS. NEW

SWEDISH SELECT OATS (WIS. No. 4).

"Best American Oat."—U. S. Dept. of Agriculture.

HEAVY KERNEL - THIN HULL - STIFF STRAW.

Out of 36 Varieties tested at the Wis. Exp. Sta., Swedish Oats Proved to be the Best.

This new oat originated in Sweden, from where it was imported into Russia and the original seed brought from there to this country in 1898 by Prof. Carleton, of the U. S. Department of Agriculture. The next year the Wis. Ex. Station secured these oats from Washington, with several other varieties for trial. They have now been grown on the University plats for five years under the supervision of Prof. R. A. Moore and during all that time have been carefully tested and compared with 36 other varieties. Prof. Moore says:

We have found them the most satisfactory of all varieties tested. On the experimental plats the oats yielded exceptionally well, having a stiff straw, light hull and weighing 36 to 40 pounds per measured bushel.

Mr. Moore says further: "The Swedish Select Oats seem especially adapted to high, well drained land, and the best known returns are from clay-loam soils. The great root development is one of the characteristics of the Swedish oats which enables the plant to resist drought better than any other variety tested. The straw is coarse and is noted for its stiffness and power to withstand lodging."

We have grown these oats here ourselves for four seasons and have been watching them with a great deal of interest and satisfaction. We hardly ever have seen nicer looking oats. **They are large and thick, white, plump and heavy.**

IS IT POSSIBLE TO RAISE 100 BUSHELS OF OATS PER ACRE?

We say "yes," with Swedish, emphatically so. Under certain conditions, however. If you sow on well cultivated land and sow only Wernich's Recleaned Swedish Seed Oats, you can raise a crop of 100 bu. per acre. Our Growers have done it—you can do the same.

Price, lb. 20c; 6 lbs. for \$1.00, postpaid. Not prepaid, pk. 35c; bu. \$1.00; 2½ bu. \$2.40; 10 bu. \$9.25.

NEW KHERSON OR SIXTY-DAY OATS.

The Oat for Rich Prairie Soils.

The Kherson Oats originated from the province of Kherson, Russia, and was introduced by the Nebraska Experiment Station and is recommended by them as the best known variety for Nebraska and Kansas. The same variety under the name of **Sixty-Day Oats** has been introduced by the North Dakota Experiment Station. Prof. Carleton of the U. S. Dept. of Agriculture says that the two came from the same section of Europe and are very similar if not identical.

They have also done well in Wisconsin. Prof. Moore writes about same: "We succeeded quite nicely with the Kherson oat this year, and hope another year to grow a large acreage. These are sometimes called the **Sixty-Day Oat**. On account of their earliness they escape in a way the severe attacks of rust and will stand up on the low, rich prairie soils."

So we find that these oats are doing well in many different states, and the fact that they are **specially adapted to "rich prairie soils,"** will commend them to many farmers. They are **extremely early**; straw is short, shorter than other varieties, but very stiff; grains rather small but very numerous and very heavy, with remarkably thin hull; light yellow in color; heads spreading. Try them where Swedish Select Oats do not do well.

Prices: lb. 25c; 5 lbs. for \$1.00. Not prepaid, pk. 40c; bu. \$1.10; 2½ bu. \$2.65; 10 bu. \$10.50.

TEXAS RED RUST-PROOF OATS.

As their name implies, they are absolutely rust-proof, and are the surest cropper grown. They can be sown very early without the same danger of freeze or frost other varieties are subject to and will ripen and be ready for harvest two weeks earlier than many of the so-called early varieties, and can always be relied upon to give you a yield of from 75 to 100 bushels per acre on ordinary good ground. They are a very strong, stiff straw, usually growing from 3 to 3½ feet high and will stand up and not lodge where other sorts go down. Prepaid, lb. 25c; 5 lbs. for \$1.00. Not prepaid, pk. 40c; bu. \$1.10; 2½ bu. \$2.60; 10 bu. \$10.00.

BLACK TARTARIAN OATS.

We believe that in this oats we have the best black oats sold for seed purposes. Unequaled in the stiffness or strength of the straw, nothing less than a tornado or cyclone will lodge them. Prepaid, lb. 25c; 5 lbs. for \$1.00. Not prepaid, pk. 40c; bu. \$1.25; 2½ bu. \$3.00.

If you keep Poultry, write for our Poultry Supply Catalogue.

SPRING WHEAT PEDIGREE STOCK.

PRICES: We are obliged to ask a considerable advance over the market price for our High Grade Seed Wheat, as there is a very much larger cost attached to its production and preparation than anyone who has not had the experience could possibly appreciate. Space does not permit of going into detail, but, as a matter of fact, the prices named below for the larger quantities represent but a slight advance over the actual cash outlay to us. We believe that farmers who want to change their seed will find it very much to their advantage to secure enough, at least, to give them a start.

RED FIFE SPRING WHEAT.

This is the wheat used in the Orange Judd Farmer contest of 1906 and is the stock selected by Prof. Shaw and the editors of the Orange Judd Farmer and American Agriculturist as being the purest and healthiest stock of hard Fife wheat to be obtained anywhere at any price. It is the pure and selected stock of the wheat which has made Minneapolis flour famous all over the world, and is undoubtedly the finest stock of the finest milling wheat in existence. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 60c; bu. \$2.05; 2 bu. \$4.00; 10 bu. \$18.50.

MINNESOTA NO. 169 WHEAT.

A new spring wheat of wonderful value. Distributed by the Minn. Ex. Station in 1902. It is an **Improved Blue Stem or Velvet Chaff**. The average yield of No. 169 for a term of 3 years at the Minn. Ex. Station was 27.4 bus. per acre, and of its parent, Blue Stem, 23.2. This was a net gain of 4.2 bu., or 18 per cent. 89 farmers throughout the state compared the new wheat with other wheat, and their trials averaged 3.3 bu. more per acre for the No. 169. For heavy yield, strong, vigorous growth and freedom from smut and rust, this new variety now leads all others. We have pure, genuine seed. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 60c; bu. \$2.10; 2 bu. \$4.10; 10 bu. \$18.75.

PEDIGREE BLUE STEM.

Northern grown, Pedigree stock. A distinct variety from all other spring wheats. The stem just below the head when green, has a beautiful blue bloom on it which entirely disappears as the wheat ripens, the straw and stem assuming a beautiful golden yellow hue and entirely free from rust. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 55c; bu. \$2.00; 2 bu. \$3.95; 10 bu. \$18.25.

MACARONI OR DURUM WHEAT.

KUBANKA.

Sent out by the United States Department of Agriculture under strong recommendations as to its great value for semi-arid lands where good crops of spring wheat could not ordinarily be produced, has more than justified every claim made for it. The last three years have not only proven this to be true, but its growth and use has broadened away beyond anything which the Department or the warmest advocates of this wheat could possibly have had in mind, for the simple reason that it outyields by far any other variety of spring wheat, and it has been demonstrated that it makes bread superior to that made from the best Fife Wheat flour.

In the field this wheat grows very strong and with surprising rapidity, so rapidly as to get well ahead of the weeds. It does not shell or bleach and is also hail proof owing to the tightness of the hull. The straw is very strong. We have a selected stock of this variety, which is the very best obtainable. Prepaid, lb. 20c; 4 lbs. 75c. Not prepaid, lb. 10c; pk. 50c; bu. \$1.90; 2 bu. \$3.75.

EMMER OR SPELTZ.

"What is it?" Neither barley nor wheat, yet it resembles both, and outyields barley, oats and wheat. Botanically it is known as *Triticum Spelta* and is supposed to be grain grown in Egypt at the time of Moses. Ask your German neighbor, he has seen it grow in the old country and will tell you of its good qualities, both for milling as well as for feeding. It is a wonderful stouter and a robust grower and will do as well on poor as it will on rich soil. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 40c; bu. \$1.10; 5 bu. \$5.00; 10 bu. \$9.25.

BUCKWHEAT.

(Prices Subject to Market Fluctuations.) 50 lbs. per bu. **Silver Hull.** Grain is of light gray color, is round, has a much thinner husk, earlier, and yields more. The flour is whiter and more nutritious. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 45c; bu. \$1.45; 2½ bu. \$3.50.

New Japanese. About a week earlier than the Silver Hull. The flour made from it is equal in quality to any other buckwheat, while it is much more productive than any other and succeeds well far north. Largest kernels, most productive and earliest; stands up well and makes the best flour. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 45c; bu. \$1.50; 2½ bu. \$3.60.

PRIMROSE FLAX. (Minn. No. 25.)

(Prices Subject to Market Fluctuations.)

Most of the flax seed in this country is run out. Ours is new stock seed that is tip top. We exercise great care in the thorough cleansing of our seeds so as to rid it of noxious seed. Prepaid, lb. 30c; 5 lbs. \$1.25. Not prepaid, pk. 65c; bu. (56 lbs.) \$2.25.

MACARONI WHEAT.



EMMER OR SPELTZ

EMMER OR SPELTZ

SELECTED SEED CORN.

NORTHERN GROWN.

The following varieties will mature a crop as far north as Corn will ripen under ordinary conditions. Our Seed Corn has all been subjected to a thorough test of its germinating qualities.

GOLDEN GLOW. (Wis. No. 12.)

A new corn of Prof. Moore's that promises great things. It is a cross of Wisconsin No. 8 with Toole's North Star, combining the extreme earliness of the former with the larger sized ears of the latter. The corn was first distributed in 1908 in a small way among the members of the Wisconsin Experiment Association and the reports these young men make after one year's trial are very satisfactory. Qt. 35c. postpaid. Not prepaid, qt. 20c; pk. 85c; bu. \$3.05; 5 bu. \$14.75. Crated bu. \$3.10.

WERNICH'S EARLIEST OF ALL YELLOW DENT. (Wis. No. 8.)

For Northern Wisconsin and Similar Latitudes.

Another new variety developed at the Wis. Experiment Station that came originally from Minnesota. Earlier than any other we offer, and probably the **earliest dent corn grown**. It fully matures on the shores of Lake Superior, and will get ripe anywhere in Wisconsin. Ears average 7 to 8 inches in length, with good length kernels, very uniform in type and color, with remarkably well-filled tips. It grows a medium sized stalk with a good leaf development, and with practically no barren stalks. Members of the Ex. Ass'n all over the state report fine yields of thoroughly matured corn. We recommend it especially for the northernmost latitudes where dent corn is not usually planted. Shelled: prepaid, qt. 35c. Not prepaid, qt. 20c; pk. 80c; bu. \$2.90; 5 bu. \$14.25.

KING OF THE EARLIEST.

The earliest Dent Corn known, yields more and shells easier than any other sort. It will mature a crop further north than any other known variety. Short, leafy stalks, medium sized ears, small red cobs and long, deep grains. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 50c; bu. \$1.75; 5 bu. \$8.00.

PRIDE OF THE NORTH.

Ears 8 to 10 inches in length and 1½ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. Stalks about medium height, 6 to 8 feet. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 50c; bu. \$1.65; 5 bu. \$8.00.

WHITE CAP YELLOW DENT.

This now famous corn possesses the earliness of Pride of the North, and will produce a greater yield on thin, poor land, than any other corn. Grows about 6 to 7 feet in height, with abundant foliage and fine large ear. The tip ends of the grains are white, the inside yellow, making it a beautiful color both when on cob and when shelled. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 55c; bu. \$1.65; 5 bu. \$8.00.

WERNICH'S TEN WEEKS FLINT.

We consider this the best strain of hard-grained, eight rowed yellow Flint Corn in cultivation. Under favorable conditions, matures in about eighty days, and while not so productive as the varieties of Dent Corn, is valuable for the short seasons of the far North, and also for second planting. Prepaid, qt. 30c. Not prepaid, qt. 15c; pk. 75c; bu. \$2.50.

EARLY LONGFELLOW YELLOW FLINT.

Stalks of medium size, ears 10 to 12 inches in length and rows even. Prepaid, qt. 30c. Not prepaid, qt. 15c; pk. 65c; bu. \$2.00.

KING PHILIP.

Early. One of the oldest and best known of the Flint varieties. Cob 10 to 12 inches, kernels of reddish color. Will ripen farther north than any Flint Corn known. Prepaid, qt. 30c. Not prepaid, qt. 15c; pk. 65c; bu. \$2.25.

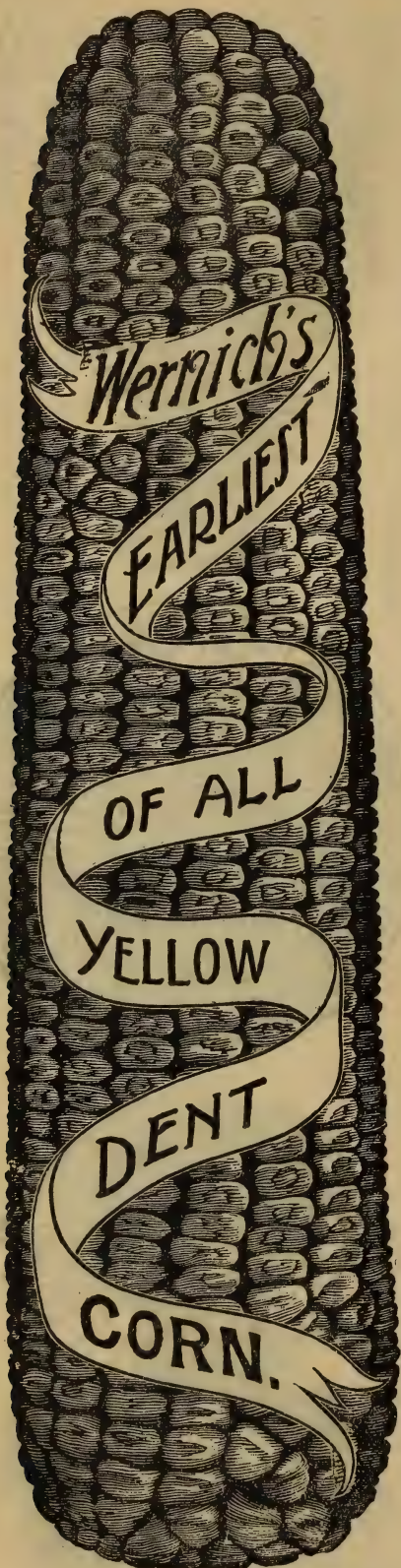
SANFORD FLINT CORN.

Early. An 8 to 10 rowed white flint corn; long, well shaped ears; small cob. Stalks bear from 2 to 3 ears, small kernels, hard and compactly placed on cob. Prepaid, qt. 25c; Not prepaid, qt. 10c; pk. 65c; bu. \$2.00.

CONNECTICUT WHITE FLINT.

An 8 rowed white flint variety with ears from 15 to 18 inches long, 1½ to 2½ inches in diameter, and are well filled out to extreme end of cob. The cob is small and the kernels large and broad; ripens in 75 to 85 days. Excellent for ensilage and is often used here for replanting. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 65c; bu. \$2.25.

It costs less than 25c an acre to use our carefully selected and tested Seed Corn.



NEW SILVER KING OR WISCONSIN No. 7.

Raised and Recommended by the Wisconsin Experiment Station.

This new corn is recommended by the Wisconsin Experiment Station as the best corn for northern states. Mr. A. L. Stone writes about same as follows: "The Silver King (Wis. No. 7) is one of Wisconsin's Leaders. At the experiment farm this year we received a yield of 75 bu. of shelled corn to the acre. This yield is exceptionally good for Wisconsin, being twice the average yield of the state. Some members of the association received as many as 80 and 90 bushels."

H. A. Main, Ft. Atkinson, writes: This is the second year that I have raised Silver King and am well pleased with it and will increase my acreage next year.

Hy. M. Peck, Marshall, Wis., writes: I think Silver King is the best in Wisconsin. Ears medium sized and filled out well.

We have quite a number of letters from prominent farmers, all recommending this variety very highly.

Our stock is limited and we advise our customers therefore to order early. Price in ears, crated, bu. \$3.00. Shelled: qt. 35c, prepaid. Not prepaid, qt. 20c; pk. 85c; bu. \$2.85; 5 bu. \$13.75.

WERNICH'S SWEET WHITE PEARL CORN.

Grown in the far North especially for our trade. By far the best White Dent in cultivation. We have sold this corn for the past 12 years, and have yet to hear the first complaint. It has all the characteristics of the Champion White Pearl, but is earlier in maturing and contains more nutritious food than the Champion. In yield it surpasses anything known as corn. Those who have planted it in the past think so well of it that the new varieties constantly coming out year after year have no fascination for them, being firmly convinced that Wernich's Sweet White Pearl is the earliest and purest of all the White Dents. "Do give it a trial." Prepaid, qt. 35c. Not prepaid, qt. 20c; pk. 75c; bu. \$2.75; 5 bu. \$13.25.

CHAMPION WHITE PEARL.

Matures in 100 days. A beauty, and in every respect a first-class white sure cropping corn. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 50c; bu. \$1.65; 5 bu. \$7.50.

WISCONSIN WHITE DENT.

Considered by many the best White Dent corn for the North. It cannot, however, compare with Wernich's Sweet White Pearl. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 50c; bu. \$1.75; 5 bu. \$7.75.

FODDER ENSILAGE CORN.

Prices of Fodder Corn Subject to Market Fluctuations.

WERNICH'S PEDIGREE RED COB ENSILAGE.

A Fodder Corn, producing enormous crops. More seed of this variety sold every year than of all other Fodder varieties. Prepaid, qt. 20c. Not prepaid, qt. 10c; pk. 40c; bu. \$1.25.

PRIDE OF THE NORTH FODDER CORN.

Used extensively in all corn growing sections and considered the best early ripe Fodder corn known. It stools freely and every stalk produces two to four ears. We sell this corn cheap. Prepaid, qt. 20c. Not prepaid, qt. 10c; pk. 40c; bu. \$1.25; 10 bu. \$11.50.

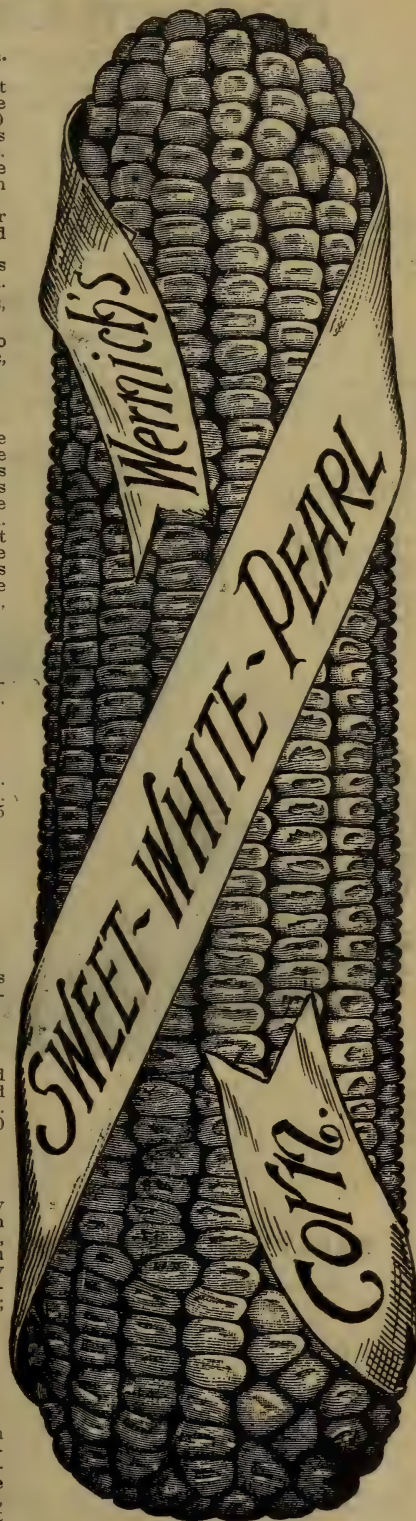
EVERGREEN SWEET FODDER CORN.

It is an undeniable fact that there is better feeding quality in one ton of Evergreen Sweet Fodder Corn than in a much larger quantity of any other variety. It does not, however, yield as large crops as the other sorts, but what it lacks in quantity it more than makes up in quality. It does not grow very tall, but is a free stooler. Cattle eat it greedily, preferring it to all other kinds. Prepaid, qt. 30c. Not prepaid, qt. 15c; pk. 50c; bu. \$1.85; 5 bu. \$8.50.

BRAZILIAN FLOUR

OR NEW CENTURY WONDER CORN.

A most wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stools like winter wheat, producing 10 to 20 stalks from each seed. There are frequently 3 to 7 ears to the stalk, being 8 to 10 inches long, and of the most clear snowy white color. It is of excellent quality when used on the table like sweet corn, yielding, of course, a much larger crop, and when dry and ground makes the cleanest, finest, whitest meal you ever saw. It will rise like wheat flour, and can be used in bread, biscuits, cakes, and is therefore sometimes called Flour Corn. We believe this corn will prove of great value everywhere for use as sweet corn, to grind into meal, to feed hogs, cattle and horses and as a fodder plant. Crop was a failure, have none to offer.



Do you deem it wise to risk doubtful corn when good Seed is so cheap?

Northern Grown Seed Potatoes.

IT PAYS TO CHANGE SEED EVERY YEAR.

The necessity for changing potato seed often is universally admitted by all well-posted growers, but too seldom practiced, especially when the best seed can be had at so little additional outlay. About 8 bushels will seed an acre and at 25 cts. to 50 cts. per bushel additional cost the whole outlay would be \$2.00 to \$4.00 with an increase in the crop of at least 25 per cent. By using our Northern Grown Seed you are assured of early maturity, increasing yield and vigorous growth.

EARLY ORDERS.

Everything points in the direction of a lively demand for Choice Seed Potatoes the coming Season, and while we have a good stock in store at present, we would advise customers to send in orders early.

OUR PRICES.

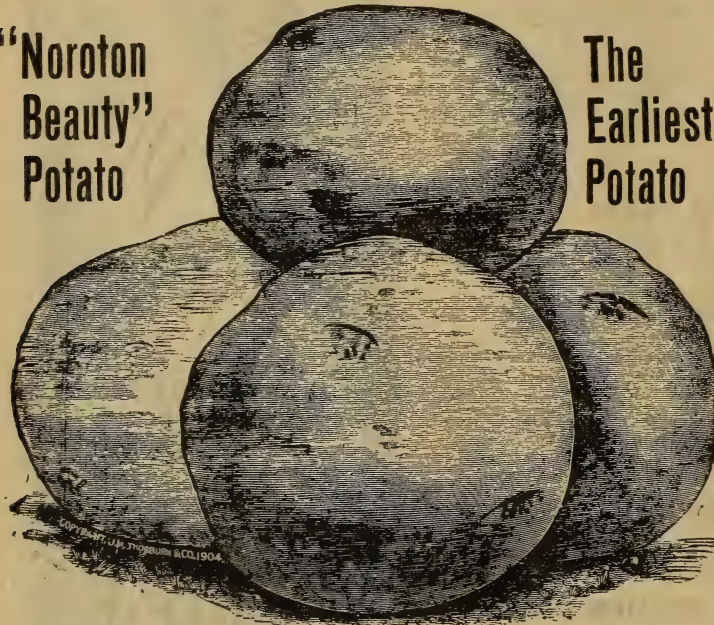
The following prices are for good, straight, un-mixed stock, but if you receive lower quotations before placing your order, write us what you want, and we will bid for your order.

SPECIAL INSTRUCTIONS.

We will book orders at the following prices as long as our present stock lasts, no matter if there should be an advance in the market. We will fill orders just as soon as the weather, in our judgment, will permit. However, we cannot become responsible for changes in the weather by which they might become damaged enroute. We will ship at any time when requested to do so, regardless of weather, if customers wish to take their own risk. When ordering late, please state whether we shall return the money or send some other kind of equal value providing we cannot supply the sort you order.

**"Noroton
Beauty"
Potato**

**The
Earliest
Potato**



"Noroton Beauty" is a Direct Lineal Descendant of the Famous "Peach Blow."

It is the Earliest Potato ever grown.

It is by far the most productive and extra early, yielding as heavily as any of the medium early sorts.

It is handsomer in appearance and more uniform in size and shape than any other variety, early or late.

"Earliness."—Planted in Washington County, N. Y., May 14th. They were in fine condition for the table on July 14th.

"Productiveness."—I have never seen any extra early variety that will yield nearly as heavily as this seedling. In fact, it will produce as heavily as any of the medium-early varieties, which is saying a great deal.

"Quality."—There is no variety of finer table quality. The flesh is dry, white and of superior flavor, either boiled or baked. It is of a decided sparkling, mealy texture. What is unusual, it retains its fine quality not only during the winter and spring, but as late into the summer as any of the late varieties.

"Vines."—The tops are short, stocky and branching and completely cover the ground when planted 2½ feet each way. The stalks are quite purple when they first come up and the leaves are very large and very dark green—the largest and darkest I think I have ever seen on Potatoes.

"Color and Shape."—The ground-work of the tubers is white, slightly rusted and splashed more or less with pink and with pinkish eyes. The shape is round and exceptionally uniform.

By mail or express, prepaid: Per lb. 25c; 5 lbs. \$1.00.
By express or freight, not prepaid: pk. 75c; bu. \$1.85; bbl. \$4.50.

EARLY SIX WEEKS POTATOES.

Without exception the earliest potato in existence, and the most popular of Early Potatoes on account of its reliability under all conditions. Medium size, smooth, oblong; skin pink, flesh white, tubers grow close together in the hill and grow so rapidly that under favorable circumstances they are fit for table use in six weeks from time of planting, and mature in ten or eleven weeks. It is by far the best selling Seed Potato we list. Prepaid, lb. 25c; 5 lbs. \$1.00; not prepaid, pk. 50c; bu. \$1.65; bbl. \$4.25.

BLISS EARLY TRIUMPH POTATOES.

Has all the good qualities of the Early Rose, is much more productive and matures its crop at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with but a very few small ones; eyes slightly depressed; color a beautiful light red. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 60c; bu. \$1.75; bbl. \$4.35.



Wernich's Early Six Weeks Potatoes.

A New Early Potato.

EARLY ACME.

Will prove itself a great favorite—more so than the Early Ohio and Early Six Weeks—both of which it resembles very much, but if anything, it is a little earlier, besides having the advantage of being newer blood. It originated from a seed ball of Snowflake growing between Early Ohio and Early Rose. It grows strong, upright vines, tubers compact in the hull like the Ohios, flesh very white, and of high quality. We like it better than all the other Earlies for general purposes. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.45; bbl. \$3.95.

Wernich's Early Acme Potatoes.

EXTRA EARLY OHIO POTATOES.

An old favorite and without doubt one of the most popular early potatoes known. A good yielder and "A Sure Early," of all the Earlies. Demand always larger than the supply. Gives satisfaction in all parts of the country. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.45; bbl. \$3.95.

LATE POTATOES.

CARMAN No. 3 POTATOES.

It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but a few eyes and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is enormously prolific and keeps well. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 40c; bu. \$1.35; bbl. \$3.50.

SIR WALTER RALEIGH.

An A1 late potato. A seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. (Read our description of Rural.) Exceedingly fine grained and white fleshed, equaling the old Snowflake. Prepaid, lb. 25c; 5 lbs. \$1.00. By freight or express, pk. 40c; bu. \$1.40; bbl. \$3.75.

VERMONT GOLD COIN.

A main crop variety, introduced by Burpee in 1903, with a very strong endorsement from the veteran potato specialist, Mr. E. L. Coy. Mr. Coy figured the yield a third more than Carman, Rural, Empire State, etc. It is a very strong grower, vines very large, with deep green foliage covering the ground. The potato is pure white in color, with netted skin, somewhat subject to scab if planted on old land. Not as smooth as the Rural type varieties, but of rather better quality, cooking up dry and mealy even when very large and overgrown. As a cropper it is a leader. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.50; bbl. \$3.75.



ROOT CROPS.

FOR FEEDING STOCK.

MANGEL WURZEL.

The value of Mangel for stock raising cannot be overestimated. Analysis having demonstrated that 400 pounds of mangel are equivalent to 100 pounds of the best hay. Crop of 1000 to 1500 bushels is nothing unusual. They will not only increase the production of milk, but add largely to the health and general condition of all kinds of stock.

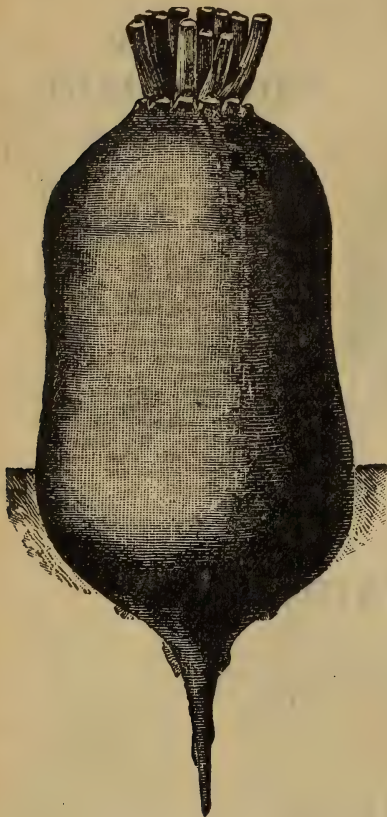
We have a large trade on Mangel Seed, and are careful to see that our stocks are of the finest strains that money will buy. Our prices are higher, 'tis true, but you are getting seed that tests 98 per cent. Undoubtedly your local merchant has seed that you can buy for 10 and 15 cts. a pound. We warn you to be careful in sowing such truck. **Sow only Wernich's Tested Mangel** and you will be satisfied.

ECKENDORFER RED.

Very large. Remarkably even in shape and of vigorous growth; has a very smooth skin. Flesh white, firm and sweet, much liked by cattle. Easily lifted from the ground, producing enormous crops. Excellent keeper, yields 40 to 60 tons per acre. Prepaid, oz. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c. Not prepaid, 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50.

ECKENDORFER YELLOW.

Very large. Remarkably even in shape, of vigorous growth; has a very smooth skin. Flesh white, firm and sweet, much liked by cattle. Easily lifted from the ground, producing enormous crops. Excellent keeper, yields 40 to 60 tons per acre. Prepaid, oz. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c. Not prepaid, 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50.



Eckendorfer Red.

LONG RED.

The old Red Mangel. Prepaid, oz. 5c; $\frac{1}{4}$ lb. 10c; lb. 30c. Not prepaid, 1 lb. 20c; 5 lbs. 85c; 10 lbs. \$1.60.

Giant Half-Sugar Mangel. One of the most valuable for stock feeding. It unites the large size of the mangel (see illustration) with the great feeding value of the sugar beet. The roots average ten to twelve inches in length, with a rose-colored top. The flesh is pure white, firm, crisp and very sweet. Oz. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c. prepaid. Not prepaid, lb. 30c; 5 lbs. \$1.35; 10 lbs. \$2.50.

Leutowitzer Red. This is an improvement on the old Mammoth Long Red Mangel. The roots are very large, uniformly straight and well formed. Color deep red; roots solid; tops small. Roots attain a large size. Produce an immense bulk and tonnage. Prepaid, oz. 5c; $\frac{1}{4}$ lb. 15c; lb. 35c. Not prepaid, lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00.

Golden Tankard. We have for years insisted that this was the best Mangel grown, and each season strengthens us in the position we took when it was a comparatively unknown sort. We recommend it as the best Mangel by far for dairy farmers. Prepaid, oz. 5c; $\frac{1}{4}$ lb. 15c; lb. 35c. Not prepaid, lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00.



GIANT
HALF SUGAR
MANGEL



Leutowitzer Red.

CARROTS.

Mastodon. The Carrot for feeding stock. Grow to an enormous size. Yield tremendous crops. Prepaid, oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; 5 lbs. \$2.40. Not prepaid, lb. 40c; 5 lbs. \$1.90.

Improved Long Orange. This is a heavy cropper on all soil, but especially adapted for strong or rich land. Prepaid, lb. 50c; 5 lbs. \$2.40. Not prepaid, lb. 40c; 5 lbs. \$1.90.

Improved White Belgian. This variety is amazingly productive, and nothing can equal them as a winter feed for milch cows. Prepaid, lb. 45c; 5 lbs. \$2.15. Not prepaid, lb. 35c; 5 lbs. \$1.75.

For other varieties see page 14 Vegetable Seed Department.

SUGAR BEETS.

For stock feeding experience has proven that Sugar Beets as well as Mangel Wurzel are healthful, nutritious and economical.

Improved Kleinwanzlebener. This variety at the present time has probably a wider cultivation than any other sugar beet. Our strain is of the very best, an improvement over the old Wanzlebener. "Floto," the grower and originator of the improved Kleinwanzlebener, is a well known grower and considered expert, many of the leading Beet Sugar refineries getting their seed from him. Prepaid, oz. 5c; $\frac{1}{4}$ lb. 10c; lb. 35c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00; 100 lbs. \$18.00.

Vilmorin. This Beet is the result of thirty-five years of methodic and persevering selection. Its average yield may be stated as from 12 to 16 tons per acre. Prepaid, oz. 15c; $\frac{1}{4}$ lb. 10c; lb. 35c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00; 100 lbs. \$18.00.

RUTABAGAS.

Invaluable as a farm crop, for feeding cattle during the fall and winter months, producing under good cultivation 1000 bushels per acre. Roots should be stored in barns, or pits, as soon as freezing weather sets in and used as wanted during the winter. Sow in drills two feet apart at the rate of 2 lbs. per acre and thin out to 8 inches apart.

Wernich's Improved Purple Top. Tops very small. Bulbs large, having few, if any, roots. Skin deep purple above, bright yellow underneath. Flesh golden yellow, of fine texture, sweet and of richest flavor. Very hardy, unusually productive, and a good keeper. Prepaid, lb. 45c. Not prepaid, lb. 35c; 5 lbs. \$1.70; 10 lbs. \$3.25.

Yellow Swede. Prepaid, lb. 45c. Not prepaid, lb. 35c; 5 lb. \$1.70; 10 lb. \$3.25.

Large White. Prepaid, lb. 45c. Not prepaid, lb. 35c; 5 lb. \$1.70; 10 lb. \$3.25.



15 to 20 Tons Beets
Per Acre.

13 to 16 Per Cent.
of Sugar.

TURNIPS.

Purple Top White Globe. The name of this most excellent variety affords for it a very accurate description. It is early and a heavy cropper as well as a good keeper. The bulb is a very handsome globe. Prepaid, lb. 45c. Not prepaid, lb. 35c; 5 lb. \$1.70; 10 lb. \$3.25.

Pomeranian White Globe. A large and most perfect globe in shape; skin white and smooth. Of strong growth and one of the most productive varieties. Prepaid, lb. 45c. Not prepaid, lb. 35c; 5 lb. \$1.70; 10 lb. \$3.25.



FIELD PUMPKINS.

Wernich's Mammoth Giant. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 lbs. Prepaid, lb. \$1.15; 5 lbs. \$5.00. Not prepaid, lb. \$1.05; 5 lbs. \$4.50.

Connecticut Field. The well known Cow Pumpkin. Prepaid, lb. 35c; 5 lbs. \$1.50. Not prepaid, lb. 25c; 5 lbs. \$1.00.

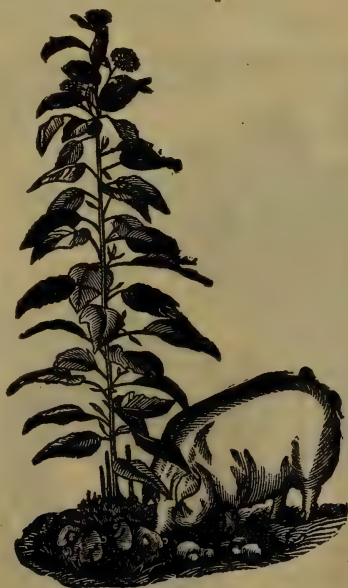
ARTICHOKES.

On good land, with same culture as corn, Artichokes will produce from 400 to 1,000 bu. per acre. A. C. Williams, of Iowa, a very prominent breeder of Poland Chinas, says: "Forty head of hogs and pigs may be kept without other food on an acre of Artichokes from the time frost is out of the ground until they grow again, and from October 1st until the ground freezes again. They produce more hog food per acre than any other crop I am acquainted with, and the hogs will harvest the crop themselves."

Artichokes need planting but once, and little or no culture after the first year. Cut as potatoes, only smaller; plant in rows $3\frac{1}{2}$ feet apart. Plow deep, plant shallow, say 2 inches; the second year, break up the ground as for corn; will come up thick all over the surface. Run through each way with a cultivator when a few inches high. Prepaid, lb. 25c; 3 lbs. 60c. Not prepaid, peck 50c; 1 bu. \$1.50; bbl., 3 bu., enough for 1 acre, \$4.00.

PEANUTS.

Plant Peanuts 12 inches apart in the row, and have the rows far enough apart to allow cultivating. As soon as ripe, turn hogs into the field and they will help themselves. Prepaid, pt. 13c; qt. 20c. Not prepaid, pt. 10c; qt. 15c; 5 qts. 65c; 16 qts. \$1.60; 32 qts. \$2.85.



Artichokes.



SAND OR HAIRY VETCH.

VICIA VILLOSA. THE WONDERFUL.

This plant is a native of Russia and extremely hardy, growing well during the cool weather of our early spring and late fall months. The plants are quite small and slender at first, but with sufficient moisture soon grow vigorously. It is excellent for forage, being readily eaten by all kinds of stock, either in the green state or cured for hay. The plant is of strong, running growth, with very abundant foliage, and if wanted for hay should be slowly dried in cocks to prevent the leaves from falling off. A nice hog pasture can be produced in a few months by making a sowing of these Vetches early in April. Sowings made in August or September withstand easily our North-western winters and will furnish a handsome crop of green fodder by the end of April, which, on good land, has equalled **15 tons green forage per acre.** It is especially adapted for light, sandy soils and exposed hills, making an excellent cover crop to prevent the soil from washing during heavy rains, but does not succeed well in low, wet soils. The plant is a

legume or nitrogen gatherer, and one of the best to plow under to enrich the soil. Sow 2 bu. per acre, broadcast, early in the spring, harrowing the soil in lightly. Sow in drills 3 feet apart, using 30 lbs. of seed per acre, or broadcast with the addition of $\frac{1}{2}$ bu. Rye or Oats to furnish support for the vines. Prepaid, per lb. 25c; not prepaid, lb. 15c; 5 lbs. 60c; 10 lbs. \$1.10; 25 lbs. \$2.25; 100 lbs. \$8.50.

CONTINUOUS FODDER MIXTURE.

Farmer, Dairyman or Stockraiser. Mixture is composed of Oats, St. John's Rye and Vetches. It can be sown at intervals which will furnish a continuous supply of fodder throughout the season. Invaluable as a catch crop after Winter Grain has been cut, there is nothing that will produce such crops of fodder as "Wernich's Continuous Fodder Mixture." In many instances Field Peas are sown along with this mixture. Sow 50 lbs. per acre. Lb. 10c; 5 lbs. 35c; 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$4.25.



Field of Continuous Fodder Mixture.

Oats for soiling. Prepaid, lb. 20c; not prepaid, lb. 10c; 5 lbs. 40c; 10 lbs. 60c; 25 lbs. \$1.40; 100 lbs. \$5.25.

FIELD VETCH.

Spring Tares (*Vicia sativa*). Sown broadcast at rate of 1 to $1\frac{1}{2}$ bushels to the acre, like wheat or barley, and sometimes mixed with

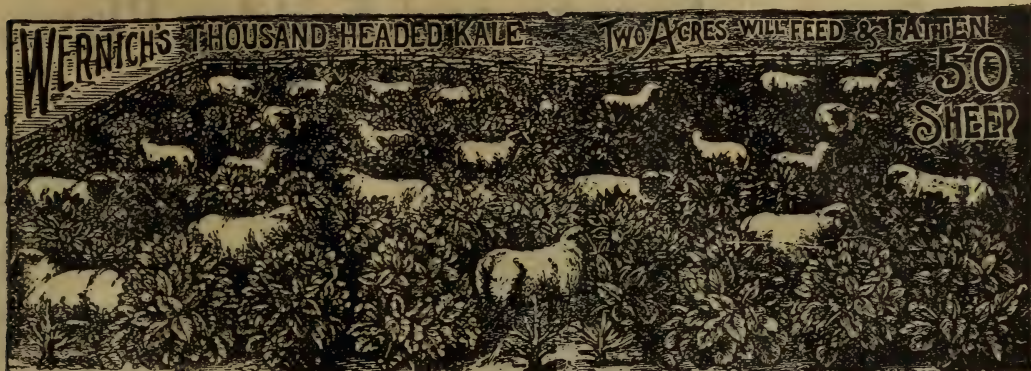
DWARF ESSEX RAPE.

It may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture for sheep and swine. 2. In June or July on well prepared land to prepare pasture for sheep. 3. Along with grain, using 2 lbs. of seed per acre to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture for sheep and to get a "catch" of clover. 5. Along with corn drilled in broadcast to provide pasture for sheep. 6. In corn, sowing the seed with the last cultivation given to the corn. 7. Along with rye sown in August in sheep pasture. At the Michigan Experiment Station 128 Lambs were pastured for 8 weeks on 5 acres of Rape and showed the magnificent total gain of 2390 lbs., or almost 3 lbs. per lamb for each week they were on the Rape Feed, and all at the small cost, for seeding of 45c per acre.

At the Wisconsin Agricultural Experiment Station half an acre sown with Dwarf Essex Rape produced 9 $\frac{1}{2}$ Tons of Forage or at the rate of 19 $\frac{1}{2}$ Tons per Acre.

Rape should be sown at the rate of 3 lbs. to the acre in drills and 4 to 6 lbs. per acre broadcast. It can be sown up to August. Prepaid, lb. 20c; not prepaid, lb. 10c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.75; 100 lbs. \$6.00.





Thousand-Headed Jerusalem Corn. Jerusalem Corn. Kale.

Thousand-Headed Kale is now being grown in larger quantities than Rape in England. The seed can be sown early in April or any time thereafter until mid-summer. The plants grow to a height of 3 to 4 feet, and are so covered with small whorls of leaves that the name Thousand-Headed Kale has been given it. It will yield a larger crop than the Dwarf Essex Rape, as it branches out from the bottom and grows very rapidly. It is greatly relished by hogs, cattle and sheep. The plant is not affected by drought and flourishes in all kinds of soil. In England this seed is being sown broadcast on pastures with grass seeds, using about one pound of seed per acre; if sown alone three pounds per acre.

100,000 POUNDS PER ACRE.

One of the largest sheep growers in England says about Thousand-Headed Kale, "I plant annually 100 acres of Thousand-Headed Kale. I have repeatedly estimated a yield of 100,000 lbs. of green food per annum from one acre of Thousand-Headed Kale. Sheep will eat the plant apparently clean, when a week afterwards it is again in full glory and sheep can be turned on, and this can be repeated time and time again. I could not fatten half the number of sheep that I do without having Thousand-Headed Kale. Prepaid, oz. 5c; ¼ lb. 15c; 1 lb. 45c. Not prepaid, 1 lb. 35c; 5 lbs. \$1.60; 10 lbs. \$3.00; 50 lbs. \$13.50; 100 lbs. \$25.00.

BROOM CORN.

Improved Evergreen. Grown more extensively than any other variety. Grows 7 feet high. Sow 35 lbs. to the acre. Prepaid, 1 lb. 20c. Not prepaid, 1 lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.



A Sure Hay Crop.

Grows about 3 feet high, and often has as many as 8 heads on one stalk. 6 to 8 lbs. of seed in rows will plant an acre. Broadcast 40 lbs. per acre. Prepaid, 1 lb. 20c. Not prepaid, 1 lb. 10c; 5 lbs. 40c; 10 lbs. 70c; 25 lbs. \$1.50; 100 lbs. \$5.00.

RED KAFFIR CORN.

If the crop is wanted mainly for fodder, it is recommended to cut down the whole stock when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature a full crop of grain and a second full crop of forage before the middle of October. Sow in rows three feet apart, six to eight lbs. of seed to the acre. Broadcast 40 lbs. per acre. Prepaid, 1 lb. 20c. Not prepaid, 1 lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. 75c; 100 lbs. \$2.50.

MILO MAZE, YELLOW.

The growth is tall, 9 to 12 feet, stooling from the ground. It sends out shoots also from the joints. The seed heads grow to great size on good land, often weighing ¾ of a pound. Sow 4 to 8 lbs. in rows per acre. Broadcast 30 to 40 lbs. per acre. Prepaid, 1 lb. 25c. Not prepaid, 1 lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. 85c; 100 lbs. \$2.75.

SUGAR CANE.

Orange. Adapted to almost every section wherever introduced as a profitable crop for fodder, as well as for sugar making. Prepaid, 1 lb. 20c. Not prepaid, 1 lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.

Early Minnesota. Northern grown and the hardest variety known. Prepaid, 1 lb. 20c. Not prepaid, 1 lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.25.



Red Kaffir Corn.

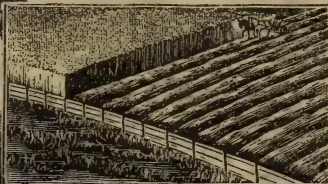
Forage and Fodder Plants.

GIANT SPURRY.

Spurry is an annual plant, extensively cultivated in Europe as a Winter pasture for cattle and sheep. It grows so well on poor, sandy soil that it has been called "the clover of sandy land." If sown in March, then again in May, and afterwards in July, it will produce three crops upon the same field in one season. Sow 15 lbs. per acre, on soil fit for clover. It can be sown from March until August, and is fit for pasture in five weeks. Prepaid, lb. 25c; 3 lbs. 65c. Not prepaid, lb. 15c; 5 lbs. 60c; 10 lbs. 95c; 25 lbs. \$2.00; 100 lbs. \$6.90.



GIANT SPURRY
THE GREAT
YIELD
4 TO 8 TON OF HAY
PER ACRE



FODDER PLANT FOR POOR AND SANDY SOILS.

SUNFLOWER SEED.

Sunflower Seed is the best egg producing food known for poultry. It can be raised cheaper than corn. Besides the great value of seed as a poultry and stock food, its leaves make capital fodder, while its strong, thick stalks can be profitably used as fuel. Three quarts of seed will plant an acre.

Large Russian. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 35c; 50 lbs. \$3.00; 100 lbs. \$5.50.

WILD RICE.

A valuable plant for sowing in lakes and marshes to attract water fowl. The seed should be sown during September and October, or in the early spring, as soon as the ice has disappeared. It should be scattered in water from one to three feet deep. Prepaid, lb. 25c. Not prepaid, lb. 25c; 5 lbs. \$1.20; 10 lbs. \$2.40; 25 lbs. \$5.75; 100 lbs. \$22.50.

TEOSINTE.

"THE WONDERFUL."

A fodder plant grown largely in some parts of the country. Somewhat resembling corn in appearance, but the leaves are much longer and broader, and the stalks contain sweeter sap. In its perfection it produces a great number of shoots, growing as much as 12 feet high; very thickly covered with leaves, yielding such an abundance of foliage that one plant is considered sufficient to feed a pair of cattle for twenty-four hours. Eighty-five stalks have been grown from one seed, attaining a height of eleven feet. Horses and cattle eat it as freely as young sugar corn. Down in Georgia, Florida and other Southern States, Teosinte will yield all the way from 100 to 200 Tons Green Fodder per acre. In the Northern States it has yielded 50 Tons of Green Fodder per acre.

We would advise sowing same in rows 2 feet apart, and the hills far enough apart to work. It wants plenty of sunshine and cultivation, and then it will grow so rapidly that it will soon cover a whole acre and look like a dense forest. It can be cut with a reaper and fed in the green state, or it can be dried and makes magnificent fodder for cattle during the long winter months. Prepaid, pkt. 10c; oz. 20c; ¼ lb. 40c; lb. 85c. Not prepaid, lb. 75c; 10 lbs. \$7.00.

LATHYRUS SYLVESTRIS.

(FLAT PEA.)

The seed should be sown in a small garden bed and transplanted when the plants are of suitable size. Its roots penetrate the soil thirty feet, which enables it to withstand great extremes of cold and drouth. It has double the feeding value of Alfalfa, a crop richer than Red Clover. It will last fifty years without manure and without reseeding. It will cut eight tons of hay per acre in a season. When established, a field of it will fatten hogs without corn. The plants grow very little above ground the first year, but the roots make rapid growth. The second year the top thickens up, and the third year the plant is matured. The seed requires several weeks to germinate. Sow in April or May on well prepared ground in drills about one to two feet apart, seeds about one to two inches deep, about two inches apart in drills, and cover well; keep well cleaned from weeds afterwards. Prepaid, pkg. 5c; oz. 10c; ¼ lb. 35c; lb. 85c. Not prepaid, lb. 75c; 10 lbs. \$7.00.

SACCALINE.

Extensively sold as a forage plant for desert and arid regions, as well as for low ground and waste places. Few of the experiments are sufficiently productive of results to recommend or condemn Saccaline. Prepaid, pkt. 10c; oz. 35c; ¼ lb. \$1.25; lb. \$4.00.

AUSTRALIAN SALT BUSH.

Thousands of acres of alkali lands can be made productive and profitable by planting this valuable forage plant. One pound of seed will plant an acre. Sow after the ground has become warm and all danger of frost is past. Mix the seed with ten times its bulk of loam, sand or land plaster and sow broadcast, after which cover lightly with a brush harrow or roll lightly. Or the seed may be sown in a hot bed, cold frames, seed boxes, or in a protected garden bed, and the seedlings transplanted when two inches high, seven to eight feet apart. Prepaid, pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$1.90.



Teosinte.

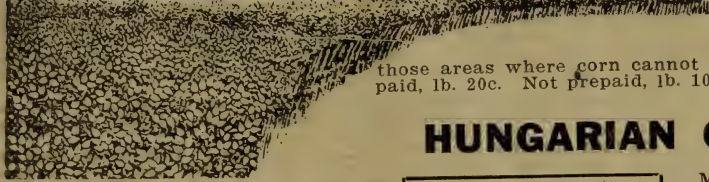
SPECIAL OFFER.

1 Pkg. Teosinte, 1 Pkg. Lathyrus Sylvestris, 1 Pkg. Saccaline, 1 Pkg. Australian Salt Bush, only 25 Cents.

MILLETS.

50 lbs to bushel, except where noted. Prices subject to Market Fluctuations. Sacks extra 20c each.

HOG MILLET



HOG OR BROOM-CORN MILLET.

A valuable variety, maturing at the same time as Hungarian Grass, producing a very heavy yield even in the driest season. At the Michigan Experiment Station trials this proved to be an excellent sort, showing no sign at all of being affected by drouth. While recommending it for all sections, its highest comparative value will, of course, be found in those areas where corn cannot be safely or cheaply grown. Prepaid, lb. 20c. Not prepaid, lb. 10c; pk. 50c; bu. \$1.65; 100 lbs. \$3.00.

HUNGARIAN GRASS MILLET.



Hungarian Grass.

Medium early, grows 3 to 5 feet high, abundant foliage and slender head; withstands drouths and yields well on light soil. **48 lbs. to the bushel.** Prepaid, lb. 20c. Not prepaid, lb. 10c; pk. 55c; bu. \$1.75; 100 lbs. \$3.25.

PENCILARIA.

Ahead of everything else in amount of fodder produced. A variety of Pearl Millet. The secret of it is it can be cut four or five times in one season. Grows to a height of 12 or 14 feet if left long enough, but should be cut when only half that height, as it is more tender. Superior in quality to corn fodder, kafir corn or any similar plant. Sow at cornplanting time, in rows 2 or 3 feet apart, and 3 or 4 seeds to each foot of row. One pound will seed an acre. Cover very shallow, only $\frac{1}{4}$ to $\frac{1}{2}$ inch deep. Cultivate same as corn. Or it may be sown broadcast. Prices: Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 35c, postpaid. By freight: Lb. 25c; 5 lbs. \$1.00.

GERMAN EDIBLE MILLET.

A variety used extensively in Germany for table use. The seed, hulled, is mashed and cooked in milk. Prepaid, lb. 28c. Not prepaid, lb. 18c; 10 lbs. \$1.50.

WERNICH'S FANCY GERMAN OR GOLDEN MILLET

True Southern Grown German Millet Seed is far superior, both in quality and yield of product to Western or Northern grown seed. The true Southern German Millet will grow in any climate or soil, and when properly grown and handled makes an enormous yield of most nutritious feed. To get these results, however, the seed must be sown **thickly**, not less than one bushel per acre, at any time between May 1st and July 15th, and the crop cut in eight to ten weeks, while it is in bloom. Prepaid, lb. 20c. Not prepaid, lb. 10c; pk. 55c; bu. \$1.85; 100 lbs. \$3.50.

COMMON MILLET.

Very early, grows 3 to 4 feet high. Prepaid, lb. 15c. Not prepaid, lb. 5c; pk. 50c; bu. \$1.75; 100 lbs. \$3.25.

RUSSIAN OR SIBERIAN MILLET.

A new Millet from Russia. Earlier than German, but does not grow as tall. Its height is only 2 to 4 feet, but it is a remarkable stouter and its fodder is eagerly eaten by all cattle. Prepaid, lb. 15c. Not prepaid, lb. 5c; peck 50c; bu. \$1.65; 100 lbs. \$3.10.

JAPANESE (BARN YARD) MILLET.

(Panicum Crus Galli.)

OR BILLION DOLLAR GRASS.

Also called Steel Trust Millet.

Introduced by Prof. Brooks, of the Massachusetts Agricultural Experiment Station. Our Seed has been grown by Edw. E. Evans, whose picture appears in the lower corner of this page. This bundle of cut Millet stood 6 feet high. Since the introduction it has been sown from Maine to Washington and has given astonishing results in all sections, except in the arid and semi-arid regions of the west. It attains a height of 6 to 7 $\frac{1}{2}$ feet with a yield of over 6 tons of cured hay per acre. Produces over 20 tons of green fodder. Cattle and horses eat it greedily. As a milk producer Crus Galli Seed has been found to equal corn meal. Our Seed is raised north of 44 deg. from absolutely pure thoroughly acclimated stock seed. Sow in May and June broadcast 10 to 12 pounds per acre; (it stools remarkably) or in drills 8 lbs. per acre. Will yield a crop in 6 to 9 weeks. Recommended by the United States Department of Agriculture and all Experiment Stations. Prepaid, pkg. 5c; lb. 20c. Not prepaid, lb. 10c; pk. 50c; bu. (32 lbs.) \$1.65; 100 lbs. \$4.50.



Bags Extra
21 Cents Each

FIELD BEANS AND PEAS. Prices Subject to Market Fluctuation



SOY BEANS. Great Forage Plant and Soil Renovator.

Soy Beans are coming more and more into favor with leading farmers and dairymen all through the northern states. They have a double value. First, they contain a very large amount of protein and are great for feed, both as a green forage plant and as dry beans; and, second, they are, like clover, nitrogen gatherers and enrich the soil wherever grown. They are especially fine for poor and sandy soils. One of our growers in central Wisconsin says: "I consider them the greatest boon that has struck sandy farms in years."

The Culture is not difficult. Sow just after corn planting, when the ground is warm, in drills 30 inches apart and 3 or 4 inches apart in the drill. From one to two pecks will seed an acre. When desired for hay, cut when the pods are partly developed. Soy beans mixed with corn make splendid silage. Every man who has a silo, try them. We offer seed of 3 leading early varieties, and our seed is all northern grown.

Medium Early Green. A rank grower, stalks 3 to 4 feet high, beans small. Best for ensilage. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.10; bu. \$4.00.

EXTRA EARLY BLACK. (Purple Blossom.) This is the Soja Bean for the northern states. Grows 2½ to 3½ feet high, beans plump, large and round. Yield 50 bu. and over per acre. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.00; bu. \$3.50.

Ito San. (New.) Medium early. Stalks 2½ to 4 feet high with a dense foliage. Beans small, yellow and flattened. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.00; bu. \$3.75.

Common Small Yellow. The beans, roasted and ground, closely resemble and taste very much like coffee. Not recommended for the northern states. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. 75c; bu. \$2.75.

FIELD BEANS

WERNICH'S IMPROVED PROLIFIC TREE.

This new bean has a record of over 1,000 beans produced on one stalk. It grows about 20 inches high with stiff stem and branches held well up from the ground. The beans are pure white, of small size, resembling the Navy. They should be planted very thinly in rows 2½ feet apart. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.25; bu. \$4.00.

NAVY.

NAVY. A well-known variety. Prepaid, pt. 20c; qt. 30c. Not prepaid, pt. 10c; qt. 15c; pk. \$1.00; bu. \$3.50.

LENTILS.

Cultivated like Peas. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.85; 100 lbs. \$7.00.

VELVET BEAN, THE GREATEST NITROGEN GATHERER.

A Worthy Rival of the Cow Pea.

It is the rankest grower of any of the legumes; two or three seeds planted four feet apart in rows five feet apart will literally cover the ground two or three feet thick with a mass of foliage and vines 20 to 25 feet long, no matter how poor the soil. It leaves a mulch on the ground that is very beneficial to the soil. The Florida Experimental Station reports 16,680 lbs. of green forage per acre. Prepaid, pkg. 10c; pt. 30c; qt. 50c. Not prepaid, pt. 20c; qt. 35c; pk. \$1.50; bu. \$5.00.

LUPINS.

Cultivated like Peas. The young plants are good for sheep. It may be sown from April to July, and succeeds well in the poorer soil.

Blue. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.85; 100 lbs. \$7.00.

Yellow. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.95; 100 lbs. \$7.50.

COW PEAS. THE GREAT SOIL IMPROVER.

Note.—Cow Peas are held in very high esteem for forage purposes, especially on sandy soils. It has been said that the Cow Pea has almost as much agricultural importance in the South as red clover in the North or alfalfa in the far West. Great changes are now in progress, however, in farming methods, and there is today a widespread disposition to plant Cow Peas farther north than formerly, on account of their quick growing habit, their drought resisting ability and their great value for silage and soil improvement purposes. They will thrive wherever conditions favor corn. The yield of green fodder per acre often reaches five tons, and is sometimes as much as eight or nine tons. Some growers turn the mature vines under down the stubble. Others ripen and pick the seed, are trailers, with very long vines; others assume the bush form. Sow seed at the rate of 1 to 1½ bushels per acre. The Cow Pea is a nitrogen gatherer, and hence improves the soil.

New Era. This is the earliest sort and therefore adapted for the Northern States. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.50; 100 lbs. \$5.50.

Whippoorwill. Is a medium sized, kidney shaped blotched pea; is the earliest to mature, rather dwarf in growth. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.50; 100 lbs. \$5.35.

Clay Colored. These are of a clay color, peas rather round in shape, makes half vines, sometimes growing twelve feet. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 40c; 10 lbs. 70c; 25 lbs. \$1.40; 100 lbs. \$5.00.

FIELD PEAS.

For Dairy Cows and Hogs. Equal to Corn and Six Weeks Earlier. Can be sown separately in drill, or broadcast, 2 to 2½ bushels to the acre, or with Oats 1½ bushels to the acre.

Canadian White. Prepaid, pt. 15c; qt. 25c. Not prepaid, pt. 5c; qt. 10c; pk. 60c; bu. \$2.25; 2½ bu. \$5.50.

Canadian Green. Prepaid, pt. 20c; qt. 30c. Not prepaid, pt. 10c; qt. 15c; pk. 75c; bu. \$2.75; 2½ bu. \$6.75.

Blue Prussian. Prepaid, pt. 20c; qt. 30c. Not prepaid, pt. 10c; qt. 15c; pk. 80c; bu. \$2.95; 2½ bu. \$7.10.

Prices of Grass and Clover Seeds Subject to Market Fluctuations.

GRASS SEEDS.

GRASS IS
KING

THE

NO GRASS
NO CATTLE

Plain Truth About Grasses

If Grass be King, then High-Grade Seed is necessary
to make it such; therefore

MR. FARMER.

If you pay little attention to the selection of Timothy, Clover and other grass seed, but buy from country merchants (who, however well-intentioned, seldom have sufficient expert knowledge in this matter to protect their customers), you will in a few years invariably find growing more weeds than grass.

NO CATTLE
NO MANURE

NO MANURE
NO CROP

We have decided to carry only one grade of the different Grass and Clover Seeds, and this is the best to be had the world over. By doing so, we are helping the Farmers fighting the weed, which has become a pest in many farms, and every thinking farmer will with joy read our decision. The best seed of course cannot be sold cheap, but the benefit of sowing such is vastly greater than the difference between the price of the best seed and seed of inferior quality.



Sweet Vernal.



Orchard Grass.

WEIGHTS OF GRASSES.

To avoid confusion, we have adopted the uniform weight of 14 lbs. to the bushel of Grass Seed, excepting where otherwise noted. Therefore when comparing our prices with those of other houses, take notice of this fact, as they sell according to stroke measure weight, thus they give 7 lbs. of Meadow Foxtail for a bushel and figure the price that way. Whereas we give 14 lbs. to the bushel and charge accordingly.

BERMUDA GRASS.

Not known in the North, but an excellent variety for warm Southern country. The seed is hard to harvest, therefore expensive. Per pkt. 5c; oz. 10c; 1/4 lb. 20c; lb. 75c; 5 lbs. \$3.00.

Bromus Inermis, see page 53.

CANADA BLUE GRASS.

(*Poa Canadensis*.) An excellent variety for pasturage for thin, dry land, very hardy. Prepaid, per lb. 25c; not prepaid, lb. 45c; bu. (14 lbs.) \$1.95; 100 lbs. \$12.75.

CREeping BENT.

(*Agrostis Stolonifera*.) Nothing better for deep, rich and moist soils. Valuable for pasturage. Prepaid, per lb. 40c; not prepaid, per lb. 30c; bu. (14 lbs.) \$3.35; 100 lbs. \$21.50.

CRESTED DOGTAIL.

(*Cynosurus Cristatus*.) A fine dwarf evergreen grass, withstands drought and does well on dry land. Either for pasture or lawn purposes. Prepaid, per lb. 40c; not prepaid, lb. 30c; bu. (14 lbs.) \$3.75; 100 lbs. \$25.00.

ENGLISH RYE GRASS.

(*Lolium Perenne*.) One of the best and most nutritious grasses. It endures close cropping and recovers quickly after cutting. Prepaid, per lb. 25c; not prepaid, per lb. 15c; bu. (14 lbs.) \$1.40; 100 lbs. \$7.50.



FINE LEAVED FESCUE.

(*Festuca Ovina Tenuifolia*.) The finest bladed grass, valuable only for lawns and pastures. Prepaid, lb. 40c; not prepaid, lb. 30c; bu. (14 lbs.) \$3.25; 100 lbs. \$22.50.

HARD FESCUE.

(*Festuca Duriuscula*.) Excellent variety for dry soils, and in appearance similar to Sheep Fescue. Prepaid, lb. 25c; not prepaid, lb. 15c; bu. (14 lbs.) \$2.00; 100 lbs. \$12.50.

ITALIAN RYE GRASS.

(*Lolium Italicum*.) This is, like the Perennial Rye Grass, valuable for pasture and also for hay. It thrives on rich, moist land, where from three to four cuttings may be made in a season. It grows very quickly and will stand close pasturage. About 24 lbs. of seed required to the acre. Prepaid, lb. 25c; not prepaid, lb. 15c; bu. of 14 lbs. \$1.40; 100 lbs. \$7.50.

KENTUCKY BLUE GRASS.

(*Poa Pratensis*.) Better known as June Grass. One of the first grasses to start in the spring; relished by all kinds of stock and succeeds on a great variety of soils.

Wernich's Extra Fancy. Lb. 30c, prepaid. Not prepaid, lb. 20c; bu. \$2.30; 100 lbs. \$16.00.



Creeping Bent.



English Rye.



Hard Fescue.



Dog's Tail.



Fowl Meadow.



Italian Rye.

Rough Stalked
Meadow.

Wood Hair.



Wood Meadow.



Sheep's Fescue.



Tall Fescue.

MEADOW FESCUE.

(*Festuca pratensis*.) One of the best of the natural or permanent meadow grasses. It is very hardy and succeeds in almost all soils, but attains its greatest perfection in moist, rich land, coming into use very early and again late in the fall. It should form a prominent part in all permanent pasture mixtures. Prepaid, lb. 35c. Not prepaid, lb. 25c; bu. (14 lbs.) \$3.10; 100 lbs. \$19.25.

MEADOW FOXTAIL.

(*Alopecurus pratensis*.) Closely resembles timothy, but flowers much earlier, and thrives in all soils excepting dry sand or gravel. It succeeds best in strong, moist, rich soils. It is highly relished by all kinds of stock, endures close cropping, and forms a luxuriant aftermath. Prepaid, lb. 45c. Not prepaid, lb. 35c; bu. (14 lbs.) \$4.50.

ORCHARD GRASS.

(*Dactylis glomerata*.) Is of exceptional value for permanent pastures and for hay crops. It is very early, coming in ahead of all the other grasses, recovers quickly after being cut, and endures close cropping by cattle. All kinds of stock relish it greatly, and if cut when it comes into flower makes excellent hay. Thrives well on all soils and attains its greatest perfection on strong, moist and clay lands.

Wernich's Superior Orchard. Prepaid, lb. 30c. Not prepaid, lb. 20c; bu. \$2.50; 100 lbs. \$15.75.

RED TOP.

(*Agrostis Vulgaris*.) The most valuable general purpose grass we have. A good meadow grass, one of the best for pasture and splendid for lawns. Makes a showing quicker than Kentucky Blue Grass. Adapted to all soils and conditions.

Wernich's Extra Fancy. Prepaid, lb. 35c. Not prepaid, lb. 25c; bu. \$2.40; 100 lbs. \$15.50.

ROUGH STALKED MEADOW.

(*Poa Trivialis*.) Used mostly on low damp soils. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$3.75; 100 lbs. \$25.00.

SHEEP'S FESCUE.

(*Festuca Ovina*.) A small tufted, hardy grass forming a cluster of narrow, cylindrical leaves. It is of value in mixture for lawns on dry soils and in shady locations. Sow about 35 pounds per acre. Lb. 30c, postpaid. Not prepaid, lb. 20c; bu. (14 lbs.) \$2.45; 100 lbs. \$16.50.



Meadow Foxtail.



Blue Grass.



Water Meadow.

SWEET VERNAL ANNUAL.

(*Anthoxanthum Puelli*.) Used in all meadows and pastures. Owes its name to its sweet odor when in bloom. Prepaid, lb. 30c. Not prepaid, lb. 20c; bu. (14 lbs.) \$2.50; 100 lbs. \$13.50.

SWEET VERNAL PERENNIAL.

(*Anthoxanthum Odoratum*.) A good variety for use in all permanent meadows and pastures. Prepaid, lb. 75c. Not prepaid, lb. 65c.

TALL FESCUE.

(*Festuca Elatior*.) A tall-growing grass particularly adapted for strong clay and wet soils; stands overflowing and should form a part of all mixtures for marshes and wet land. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$3.75; 100 lbs. \$25.00.

TALL MEADOW OATS.

For description and illustration, see next page.

TIMOTHY.

See next page.

WATER FESCUE.

(*Glyceria Fluitans*.) Like the following variety in that it is valuable for improving marshes and low lands in general. Mixed with Water Meadow, Fowl Meadow, and Rough Stalked Meadow, it produces a fine quality of hay. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$4.00; 100 lbs. \$27.50.

WATER MEADOW.

(*Poa Aquatica*.) Of great value for low land, which is more or less under water at times, and where other grasses don't catch or are drowned out. Grows rank and coarse, still it is nutritious and is well liked by cattle. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$4.00.

WOOD MEADOW.

(*Poa Nemoralis*.) Grows from one and one-half to two feet high; has a perennial creeping root and an erect, slender, smooth stem. One of the best varieties to sow in shaded situations, such as orchards and parks for either hay or pasturage. Sow about thirty pounds per acre. Lb. 65c, postpaid. Not prepaid, lb. 55c; bu. (14 lbs.) \$6.75.

Prices of Clover and Grass Seeds are Subject to Market Fluctuations.

2 TO 4 CUTS PER ACRE

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4 TO 7 TONS PER ACRE

Bromus Inermis

or Awnless Brome Grass

REPORTS OF EXPERIMENT STATIONS.

Mr. J. H. Sheppard, Professor of Agriculture, N. D. Agricultural College, Fargo, writes:

"As pasturage it is preferred to timothy by the cattle, as shown by a trial, where it was fed off more closely than timothy in the same pasture. It has the advantage of being early and being green until late in the fall. The fact that the Bromus Inermis resists drouth better than other cultivated grasses, greatly adds to its value in the Northwest. The eagerness with which it is sought by stock leads me to believe that it is of as much value as timothy for hay and pasturage, and that the hay is as valuable, ton for ton."

Mr. S. W. Bedford, Supt. of Experimental Farm at Brandon, Manitoba, writes:

"The Bromus Inermis has done exceedingly well on the farm here, both on high and low land. Even on our gravelly soil and the tops of hills it has given us a fair return, while on the rich, alluvial soil it has yielded us a very heavy crop indeed, exceeding four tons of dry hay to the acre during the past year. It gives us a very much larger return than timothy, and cattle prefer it to any other hay we have tested here. We have tested its feeding value, both to dairy cattle and for feeding steers, and find that it gives us much better results than any other class of hay."

POSITIVELY DROUGHT DEFYING AND FROST RESISTING.

Will stand the extremes of heat, cold and drought. It yields enormous crops of splendid hay and affords early and abundant pasturage. It adapts itself to almost every condition of soil and climate, and to any use to which grass may be put, equalling in quality and rivaling in yield almost every other grass. It is no longer an experiment, but a thoroughly established success. Will do as well in Canada as it does in the South, growing with a rapidity that is wonderful and producing heavy crops of hay and luxuriant pasturage. All kinds of stock eat it greedily, and by actual tests it has been found that it is exceedingly rich in flesh-forming ingredients. The seed should be sown as early in the spring as the ground can be worked.

Our Seed is the best to be obtained. If you don't believe it, send for a free sample and test it.

PRICES.

Fancy No. 1. Prepaid, lb. 30c. Not prepaid, lb. 20c; bu. \$2.10; 100 lbs. \$11.00.

TALL MEADOW OAT GRASS**OR FRENCH RYE GRASS.**

(Avena Elatior.)

A magnificent grass of rapid, luxuriant growth, growing on rich soil by June 15th to the height of 4 feet. Better than Timothy. Can be cut three times, and does well if sown alone. Tall Oat Grass vegetates with great luxuriance; it is early and productive and affords a plentiful aftermath. It is found most beneficial when retained in a close state of feeding. It makes good hay, is natural to sandy loams; but thrives best on strong, tenacious clays. It possesses the advantages of early, quick and late growth for which the Tall Oat Grass is esteemed, tillers well and is admirably calculated for a pasture grass, furnishing a nice, sweet and tender herbage. Sow 20 to 25 lbs. per acre, if sown alone. Ought to be in all permanent meadows. Prepaid, lb. 35c. Not prepaid, lb. 25c; bu. (14 lbs.) \$2.75; 100 lbs. \$17.75.



Tall Meadow Oat.

TIMOTHY

(Phleum Pratense.)

Northern Grown.

We wish we could talk to you personally, Mr. Farmer, instead of writing about the excellent quality of our Fancy No. 1 Timothy we offer you. Ours is not the common grade as usually sold by your local merchant, who buys in open market seed which has not been cleaned, and very often containing weeds, which cause more damage than what the difference in cost would have been had the buyer purchased our Northern Grown Seed in the first place. Send for a sample of our Timothy and compare it with that of your local merchant or Seed Dealer.

Fancy No. 1. Tests 100 per cent. Prepaid, lb. 20c. Not prepaid, lb. 10c; pk. 75c; bu. (45 lbs.) \$2.50; 100 lbs. \$5.45.



RECLEANED CLOVER SEED.

Prices of Clover and Grass Seeds Subject to Market Fluctuations.

To every 2 bushels or less add 21c for new bag.

When buying Clover Seed, price should cut no figure with the farmer. What he wants is good seed. We have it, and its better than good. Our prices are right, too. Send for samples.

ALSIKE OR SWEDISH CLOVER.

(Trifolium Hybridum.)

Alsike is being more and more largely sown by leading farmers of the north-west and is every year coming into greater favor. Finer and more leafy than Red Clover, but grows to a good height and makes a heavy yield of hay. Also fine for pasture. Alsike is the only clover that will produce a good crop and not kill out on wet land. The seed is very small, and goes fully twice as far as other clover. Five or six pounds will seed an acre. Many farmers mix a little Alsike with all the Medium they sow, a decidedly good idea.

Wernich's Ideal Alsike. Northern grown seed. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.65; bu. \$10.20; 100 lbs. \$16.75.



Alsike.



Crimson Clover.

WHITE DUTCH CLOVER.

Desirable for pasture mixtures. Also fine for lawns. The hardiest of all clovers. Its low creeping habit and tenacity of root make it valuable for establishing a new turf. Five to seven lbs. will seed an acre.

Wernich's "Ideal." Recleaned, Northern grown. Prepaid, lb. 40c. Not prepaid, lb. 30c; pk. \$4.35; bu. \$15.75; 100 lbs. \$25.00.

TWO CUT SAINFOIN ESPARSETTE.

(Hedysarum Bifera.)

The clover for sandy soils. Largely grown in Europe and now attracting considerable attention in this country. It is a deep-rooting perennial of special value for light sandy or limestone soils. It produces large yields of the best hay, excellent for milch cows, as well as furnishing superior pasture. Sow 45 lbs. per acre with oats or barley as a nurse crop.

Prices: By mail, pkt. 5c; lb. 25c. By freight, lb. 15c; pk. 60c; bu. (22 lbs.) \$2.10; 100 lbs. \$9.00.

BOKHORA OR SWEET.

(Melilotus Alba.)

Of little value except as a pasture for bees. Can also be used as a fertilizer. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.25; bu. \$7.75; 100 lbs. \$12.50.



SAINFOIN.

CRIMSON CLOVER.

(Trifolium Incarnatum.)

Also called Giant Incarnate. This is an annual clover largely used in the east and south, and now being tried with quite good success in the north. Sow in April or May, 15 lbs. per acre, or it may be sown in the north in corn at the time of the last cultivation in July, and then it produces fine fall pasture. A crop of Crimson Clover plowed under is equal to an application of stable manure. It makes land rich and mellow, fills it with humus or vegetable matter and increases the yield of corn, cotton or other crops which follow it, to a wonderful extent. Prices: By mail, lb. 30c; 3 lbs. 85c. By freight, lb. 20c; pk. 2.70; bu. \$9.60; 100 lbs. \$15.50.

SERADELLA.

In Europe this is considered one of the most important hay plants for good, light soils. Its nutritive value is considered equal to that of Red Clover, while its yield is larger. It gives good results, except on land that is too heavy or too poor. Cattle like it, either as hay or green fodder. It is usually sown in the spring either alone at the rate of 35 lbs. per acre or under cover of oats, wheat or rye, when 20 lbs. are used and furnishes after the removal of the crop, a good cutting or pasture. Trials with this fodder plant have not been successful in this country because the necessary Bacteria was lacking. Now we can furnish the Nitragin (see 2nd cover page) with which to inoculate the seed and we recommend to every farmer to make a trial with inoculated seed. Pkg. 5c; lb. by mail 25c. By freight, lb. 15c; pk. 90c; bu. (36 lbs.) \$3.00; 100 lbs. \$7.75.

RECLEANED CLOVER SEED.

Prices of Clover and Grass Seeds Subject to Market Fluctuations.

To every 2 bushels or less add 21c for new bag.

When buying Clover Seed, price should cut no figure with the farmer. What he wants is good seed. We have it, and its better than good. Our prices are right, too. Send for samples.

MEDIUM RED OR JUNE.

(Trifolium Pratense.)

WERNICH'S "IDEAL" RED CLOVER.

Heat Won't Kill It. Frost Won't Kill It.

It is an undisputed and acknowledged fact that Medium Red or June Clover is by far the most important of all Clovers for practical purposes. Experience, however, has proven that it suffers easily from drought and frost, which has been more noticeable the last few years in our Northern climate on account of our hot and dry summers and severe winters. Drought and frost will not easily affect the **Wernich's Ideal Red Clover**, which has proven to be more **Drought Defying and Frost Resisting**.

It has become so widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooling qualities, that we now receive orders from all over the United States and Canada where clover is sown. The seed we offer is grown in the north, thus selling only seed that is thoroughly acclimated. The blossoms when full grown are larger and contain more seed when thoroughly ripe than those of the ordinary Red Clover. Its roots penetrate deeper, thus producing more vitality to the plant and giving it more sturdiness and growth and resisting powers. Prepaid, lb. 35c. Not prepaid, lb. 25c; pk. \$3.00; bu. \$10.90; 100 lbs. \$17.75.

MAMMOTH OR SAPLING CLOVER.

Resembles Medium but is larger and coarser. Best for pasture and as a fertilizer, but not usually considered as desirable for hay because it grows so large.

Wernich's Ideal Mammoth Clover. Prepaid, lb. 35c. Not prepaid, lb. 25c; pk. \$3.00; bu. \$10.90; 100 lbs. \$17.75.



YELLOW OR HOP.

(Medicago Lupulina.)

Also called Monthly Clover. Very little known here. Grown more extensively and better known in Germany. It derives its name "Monthly" because it can be cut three or more times a season. Culture like Red Clover. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.50; bu. \$8.75; 100 lbs. \$13.50.



Yellow Clover.

R. Kuenne, Chelsea, Wis., writes in November about Ideal Red Clover bought from us in spring, as follows: Clover and Grass show a very good stand and no weeds are to be seen.

THE CLOVER FOR SANDY SOILS. SAND LUCERNE

MEDICAGO FALCATO-SATIVA.

UNQUESTIONABLY
THE
GREATEST OF ALL THE
VARIETIES OF
ALFALFA
AND CERTAINLY THE GREATEST
HAY-PRODUCING CLOVER
EVER INTRODUCED.



Enormous Crops.

7 Tons HAY Per Acre.

SAND LUCERNE THRIVES WHERE CLOVER FAILS.

It withstands the severest winters and resists the worst drouth where once established. It is a positive drouth resister and cannot be winter killed. It can be cut 3 to 6 times a season, depending on soil and climate.

Extract from Bulletin No. 198. "Report of Michigan Experiment Station."

Sand Lucerne is a leguminous, perennial plant, resembling Alfalfa. It develops an immense root system, and is capable of producing four crops of hay annually on high, sandy soil without irrigation. The best seedings are obtained by sowing alone, on well prepared ground, in early May, using about 15 lbs. of seed per acre. No crop is expected the first year, but two or three mowings, with the knives set high to destroy weeds, is advisable. The strength and productiveness of the plant improve with age, and one good seeding ought to last many years. It withstands the severe climate of Michigan when grown on dry, sandy land. The tests on low and heavy clay lands are not yet completed. To make the best quality of hay it should be cut as soon as the blossoms appear, and in curing it should be handled in the field as little as possible, to avoid the loss of leaves. The yield of cured hay per acre in 1902 from seeding made in 1897 was as follows:

June 12th, 4318 lbs. per acre.
July 24th, 4717 lbs. per acre.
August 25th, 3000 lbs. per acre.

A total of 12,035 pounds, or 6 tons, of hay per acre. This same plot of sandy soil produced in 1898, three crops with a total of 6,800 pounds; in 1899, four crops, 10,580 pounds; in 1900, four crops, 12,310 pounds; in 1901, four crops, 13,861 pounds. A grand total of

55,586 POUNDS, EQUAL TO 27¾ TONS OF CURED HAY PER ACRE IN 5 YEARS.

And this on land that had received no fertilizer of any kind since the seed was sown.

Price: Prepaid, pkg. 10c; lb. 40c. Not prepaid, lb. 30c; pk. \$4.00; bu. \$13.80; 100 lbs. \$22.75.

WERNICH'S IDEAL ALFALFA OR LUZERNE. (Medicago Sativa)

A perennial clover-like plant growing from 2 to 3 feet high, adapted especially to dry climates and soils. It resembles clover in habit of growth and feeding value, but withstands drought much better. Alfalfa thrives on sandy loam, yielding immense crops, nutritious food for cattle. When once established it furnishes each season from 3 to 5 cuttings of forage which cures into excellent hay. It gathers largely of nitrogen from the air and lower soil, and is therefore very valuable in rotations as a soil enricher. Sow from 15 to 25 lbs. per acre.

Wernich's "Ideal" Alfalfa. This seed is extremely hardy and we recommend only this seed for our Northern climates. Prepaid, lb. 40c. Not prepaid, lb. 30c; pk. \$3.75; bu. \$13.80; 100 lbs. \$22.50.

TURKESTAN ALFALFA.

(Medicago Sativa Var. Turkestanica.)

Perfectly hardy, withstands drought, heat and cold. It is a native of Russia Turkestan and was discovered by Prof. N. E. Hansen while on an exploring expedition in that country for the Department of Agriculture, Washington. The climate of Turkestan is not unlike that of our interior states, being far removed from the ocean and surrounded by wide expanses of dry land. The summers are very hot and long, and in many places the evaporation exceeds the quantity of moisture that has fallen during the year. The inhabitants are principally engaged in Stock Raising, and here it is that this valuable new addition to our Clover family grows and flourishes.

WITHSTANDS EXTREME COLD WITHOUT INJURY.

At the Experimental Station, Brookings, So. Dakota, with a minimum temperature of 40 degrees below zero, the ground bare, common alfalfa was killed, while

TURKESTAN CAME THROUGH UNHARMED.

At the Wyoming Experiment Station the Turkestan Alfalfa was exposed to a minimum temperature of

45 DEGREES BELOW ZERO WITHOUT HARM.

We cannot impress upon you, Mr. Farmer, too strongly, to give Turkestan Alfalfa a trial this year. Order early, as the supply is limited. Prepaid, pkt. 10c; lb. 40c; 3 lbs. \$1.15. Not prepaid, lb. 30c; pk. \$3.25; bu. \$12.00; 100 lbs. \$19.75.



Wernich's Special Grass Mixtures.

It is a well established fact that a judiciously selected mixture of several varieties of Grass and Clover Seeds will produce a much larger yield—generally again as much per acre than can be obtained with only one or two kinds sown alone. In sowing a larger variety you are not running the risk of not securing a stand at all as you would by sowing one or two kinds only, for in a larger variety there must be at least several kinds of grasses adapted to your soil, while if you sow one kind this may not be at all adapted and consequently no result. A pasture with a variety of grasses and clover is again as productive and earlier than if but one kind of grass is used, and can also be pastured throughout the season, as most grasses used are deep-rooted and are extremely drought-resisting.

SOW 25 TO 30 LBS. PER ACRE.

A—MIXTURES FOR PERMANENT MEADOWS.

No. 1. For High and Dry Land, Rather Light Poor Soil. Meadow Fescue English Rye Red Clover Crested Dogtail Sweet Vernal Alfalfa Orchard Grass Canada Blue Timothy Red Top			No. 2. For High and Dry Land, Heavy or Rich Soil. Tall Mead. Oat Canada Blue Sweet Vernal Orchard Grass Kentucky Blue Red Clover English Rye Red Top Alsike Clover Meadow Fescue Italian Rye Timothy		
Price Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00			Price Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00		
No. 3. For Low and Moist Land, Good and Rich Soil. Mead'w Foxtail Sweet Vernal English Rye Orchard Grass Meadow Fescue Alsike Red Top Canada Blue Timothy			No. 4. For Low Land, Temporarily Under Water. Tall Fescue Meadow Fescue Kentucky Blue English Rye Canada Blue Alsike Meadow Foxtail Red Top Timothy		
Price Lb. 15c; 25 lbs. \$3.60; 50 lbs. \$6.65; 100 lbs. \$12.75			Price Lb. 15c; 25 lbs. \$3.60; 50 lbs. \$6.65; 100 lbs. \$12.75		

B—MIXTURES FOR PERMANENT PASTURES.

A good pasture is a necessity on every farm. It should be permanent and the grasses used should be early, medium and late, so as not to mature all at the same time, thus furnishing continuous grazing the entire season. Such varieties should be used that are good sod formers. Our Mixtures are composed of such grasses.

No. 5. For High and Dry Land, Rather Light Poor Soil. Red Top Cres'd Dogtail White Clover Hard Fescue Canada Blue Alsike Orchard Grass Meadow Fescue Alfalfa English Rye Red Clover			No. 6. For High and Dry Land, Rich and Heavy Soil. Orchard Canada Blue White Clover English Rye Mead. Foxtail Timothy Italian Rye Red Clover Alsike Tall Mead. Oat		
Price Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00			Price Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00		
No. 7. For Low and Moist Land, Good and Rich Soil. Kentucky Blue Creeping Bent Red Clover Tall Fescue Fowl Meadow Alsike Red Top Italian Rye Timothy Rough S. Mead. English Rye			No. 8. For Orchards or Shady Places, Good or Poor Soil. Orchard Red Top English Rye Kentucky Blue Canada Blue White Clover Wood Meadow Sweet Vernal Alsike Clover		
Price Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.25; 100 lbs. \$12.25			Price Lb. 14c; 25 lbs. \$3.60; 50 lbs. \$6.50; 100 lbs. \$12.50		
No. 9. For Hog Pasture on Good Soil. Canada Blue Timothy Alsike Orchard Grass Mam. Clover White Clover Rough S. Mead.			PLENTY FODDER MIXTURE. No. 10. Will Yield 2 Tons Hay in July, 1 Ton in August and leave a Good Fall Pasture. Hungarian Grass Italian Rye Crimson Clover		
Price Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.25; 100 lbs. \$12.25			Price Sow per acre, 40 lbs., \$3.20; Per 100 lbs., \$7.75		

WERNICH'S LAWN GRASS MIXTURES.

HOW TO SECURE A GOOD LAWN.

The principal features to secure a good lawn are: First, a rich, well drained soil; second, careful preparation of the ground, making it as fine, smooth and mellow as possible; third, sowing at such a time as to give the young plant time to become well established before being subject to very dry or very cold weather. Seeding may be done in spring or fall. If done during the hot months, the ground must be kept moist when sowing is done. With the ground prepared well, let the surface be gone over with a fine rake, and the seed evenly scattered, after which carefully rake or brush the seed in and follow with a roller.

Wernich's "Lake Park" Lawn Grass.

This excellent mixture is composed of only the finest Dwarf Growing Recleaned Grass Seeds, mixed in proportion. This mixture is the same as is used in our Milwaukee Public Parks. Prepaid, ½ lb. 20c; 1 lb. 35c. Not prepaid, ½ lb. 15c; 1 lb. 25c; pk. (3½ lbs.) 85c; bu. (14 lbs.) \$3.25; 4 bu. (enough for 1 acre) \$12.35; 100 lbs. \$21.50.

"Shady Nook" Lawn Grass.

On nearly all lawns there are unsightly bare spots, under the shade trees, which have baffled all efforts to get into grass, but with this mixture there need be no further difficulty. Prepaid, ½ lb. 20c; 1 lb. 40c; pk. \$1.25. Not prepaid, ½ lb. 15c; 1 lb. 30c; pk. (3½ lbs.) \$1.00; bu. (14 lbs.) \$5.00; 4 bu. \$18.00; 100 lbs. \$33.00.

"Terrace Sod" Lawn Grass.

A special mixture of grass best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produces a rich, velvety green turf throughout the season. Prepaid, ½ lb. 20c; 1 lb. 40c; pk. \$1.40. Not prepaid, ½ lb. 30c; pk. (3½ lbs.) \$1.00; bu. (14 lbs.) \$5.00; 4 bu. \$18.00; 100 lbs. \$32.00.

"Bonora for Lawns." Try it and be convinced that there is nothing better for your lawn. It reaches the roots, thus thickening the sod, and gives the grass that rich, velvety green appearance. See page 84.



The Following Abbreviations Occur in the Flower:

A for **Annuals**, that grow, bloom and die the first year from seed.

B for **Biennials**, that bloom the second year from seed, and then die, although many, if sown early in the spring, will flower the first year.

P for **Perennials**, that usually bloom the second year from seed, and continue to grow and bloom for many years. Some will also bloom the first year, if sown early.

H indicates that they are **Hardy**, and **H H**, **Half Hardy**. **T** indicates that they are **Tender**.

SEEDS FOR SPECIAL PURPOSES.

The following list is useful in making selections of suitable varieties for a given object:

LOW GROWING PLANTS.

For Beds and Edgings.

Ageratum, Agrostemma, Alyssum, Amaranthus, Asperula, Bachelor's Button, Begonia, Browallia, Cacalia, Calceolaria, Calliopsis, Campanula, Candytuft, Chrysanthemum, Dahlia, Daisy, Dianthus or Pinks, Escholtzia, Forget-me-nots, Gaillardia, Geranium, Gnaphalium, Golden Rod, Heliotrope, Ice Plant, Lobelia, Mignonette, Marigold, Nasturtium (dwarf).

TALL GROWING PLANTS.

For Backgrounds and Centers.

Adonis, Antirrhinum or Snap Dragon, Aquilegia, Aster, Auricula, Balsam, Calendula, Canna, Castor Bean, Celosia, Cleome, Cosmos, Datura, Delphinium, Digitalis, Hedysarum, Hollyhock, Helianthus or Sunflower, Jacobaea, Lupinus, Marigold, Mirabilis or Four O'Clock, Nicotiana, Paeony, Primula, Salvia, Stocks, Sweet William, Zinnia.

FOR CONSTANT BLOOM.

Sweet Alyssum, Candytuft, Carnation, Celosia, Escholtzia, Nasturtiums, Petunias, Phlox Drummondii, Pinks, Portulaca, Sweet Peas, Verbena, Zinnia.

FOR VASES AND BASKETS.

Abronia, Alyssum, Asperula, Convolvulus Minor, Kenilworth Ivy, Lobelia, Maurandia, Mimulus, Nasturtium (dwarf), Oxalis, Silene, Smilax, Verbena.

CLIMBERS FOR PORCHES, ETC.

Abobra, Adlumia, Aristolochia, Canary Bird Flower, Clematis, Cobaea, Convolvulus Major, Cypress Vine, Dolichos, Gourds, Humulus or Japan Hops, Lophospermum, Momordica, Moonflower, Nasturtium (tall), Passiflora, Scarlet Runner Beans, Sweet Peas, Wild Cucumber.

FOR FRAGRANT FLOWERS.

Sweet Alyssum, Candytuft, Carnation, Four O'Clock, Heliotrope, Mignonette, Nasturtium, Stocks, Sweet Peas, Verbena, Violet, Wallflower.

THERE IS MONEY FOR YOU in Flower Seeds, and it will pay you to secure your neighbor's orders.

WE MAKE THESE LIBERAL DISCOUNTS:

Customers	\$1.00	May	\$1.30
	2.00		2.70
	3.00		4.00
Sending	4.00	Select	5.50
	5.00		7.00

worth of Flower and Vegetable Seeds in packets and ounces. This discount, however, does not apply to seed by weight, ¼ lbs. or over, or collections, nor does it apply to orders sent at different times during the season, except previous arrangement is made, nor does it apply to plants, bulbs, potatoes, grass and field seeds and tools; but customers are allowed to select seeds for the cost of remittances besides these discounts.

ABOBRA.

Viridiflora. A very rapid growing and exceedingly beautiful climber, producing dazzling scarlet fruit. (6 feet.) T. A. Pkt.3c

ABRONIA.

Umbellata. Trailing Plant with Verbena-like and Rosy-lilac flowers. May be trained to sticks or left in its natural mode of growth. Peel off the husk before sowing. H. H. A. Pkt.5c

ABUTILON.

(Chinese Bell Flower.)

New Hybrida, Mixed. The plants are of compact growth, flowering continually, suitable for house in winter and garden in summer; producing much larger bell-shaped flowers than the old types—the range of colors includes white, straw, yellow, Rose, carmine, crimson, orange and many beautifully striped varieties. 2 to 4 feet. T. P. Pkt....10c

ADLUMIA.

(Mountain Fringe, or Allegheny Vine.)

Cirrhusa. An attractive climber. The flowers are flesh-colored and form a fine contrast to the pale-green foliage of the plant. Height 15 feet, H. B. Pkt.5c



Abronia.



Adlumia.



Agrostemma.



Ageratum. Little Dorrit.



Amaranthus Solicifolius.



Asperula.

ADONIS.

Aestivalis (Flos Adonis). Ornamental garden annual, of easy culture, flowering freely; graceful feathery foliage. Crimson. H. A. 1 foot. Pkt.....5c

AGERATUM.

Annuals bearing continually and profusely, clusters of feathery flowers; suitable for pot culture in winter or bedding out in summer. H. H. A.

Little Dorrit. Fine white flowers; 18 inches. Pkt.....3c

Tom Thumb. Very dwarf, blue flowers; 6 inches. Pkt.....3c

AGROSTEMMA.

Coeli Rosea (Rose of Heaven.) Attractive, producing flowers on long slender stems like a single pink; blooms the first season. H. A. 1 foot. Pkt.....5c

ALYSSUM.

These flower profusely throughout the season; thriving in flower garden, window boxes, vases, etc.; also well adapted for ribbon lines and edgings; very fragrant.

Little Gem. Grows quick from seeds and the plants will bloom when quite young. The abundance of flowers is simply enormous; 300 blossoms have been counted on a single plant. H. A. ¼ oz. 10c; oz. 25c; pkt.....3c

Golden Saxatile. A free growing, dwarf, hardy perennial. Flowers brilliant golden yellow, completely hiding the foliage. Showy for permanent borders and beds. H. P. 10 inches. Pkt..5c

AMARANTHUS.

Ornamental foliage and flowering annuals of rapid growth, easy culture and very showy, with flower spikes of richly colored foliage. T. A.

Caudatus (Love lies bleeding). Long, dark red, drooping flower spikes. 3 feet. Pkt.....5c

Solicifolius (Fountain Plant). Gracefully drooping, willow-shaped leaves, banded and tipped with orange, carmine and bronze. 2 to 3 feet. Pkt.....5c

Tricolor (Joseph's Coat). Leaves red, yellow and green. 3 feet. Pkt.....5c

Mixed. All varieties. Pkt..5c

AMPELOPSIS.

Veitchii (Boston or Japan Ivy). Valuable hardy perennial climber, clinging to walls of wood, brick or stone; foliage dense, of glossy green changing to red and yellow in autumn. H. P. 30 feet. Pkt.10c



Adonis.



Asparagus Plumosus.



Aristolochia.

ANTIRRHINUM.

(Snap Dragon.)

For summer flower beds and borders these half-hardy perennials are very showy and flower from seed the first season. They grow 1 to 3 feet high, and are masses of bloom. H. H. P.

Tall, Mixed Colors. Selfs and stripes. 2 to 3 feet. Pkt.....5c

Giant-Flowering. The flowers are nearly double the size of the older sorts. 2 to 3 feet. Pkt.10c

Tom Thumb Varieties, Mixed Colors. Only 1 foot high. Pkt.5c

AQUILEGIA, or Columbine.

Hardy perennials, luxuriating in the moister situations in the garden, where they form permanent clumps, growing from 1½ to 3 feet high. The large, unique, long spurred flowers, hung on long stems, are not only effective on the plant, but equally as desirable when cut for vase and house decoration. H. P.

Alba (White Spurred). A beautiful pure white variety. 3 feet. Pkt.10c

Chrysantha (Golden Spurred). Bright golden yellow. 3 feet. Pkt.10c

Glandulosa. Lovely shade of light blue and pure white. 2 feet. Pkt.10c

Double, all colors mixed. Oz. 30c; pkt.5c

ARISTOLOCHIA SIPHO.

Dutchman's Pipe Vine.

Rapid, luxuriant, hardy perennial climber; large leaves, making dense shade; flowers yellow and brown.

Sipho—Dutchman's Pipe. H. P. 30 feet. Pkt.....10c

ASPARAGUS SPRENGERI.

Also called Emerald Feather and Abyssinian Parlor Fern.

Extremely valuable for all purposes. Flowers white, followed by red berries. A plant that will please you. T. P.

Pkt. (15 seeds).....10c

ASPARAGUS PLUMOSUS.

Asparagus Fern. One of the prettiest house plants. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace. It is admirably adapted to house culture. T. P. Pkt. (5 seeds) 10c; 25 seeds..35c

ASPERULA.

Odorata (Woodruff). This charming little plant, which blooms in May and is a hardy perennial, delights in moist and shady situations and is used for border planting. 9 inches. H. P. Pkt.10c

Azurca Setosa. Small, sweet-scented, light blue flowers. 1 foot. H. A. Pkt.....5c



Comet or Poodle Asters.



Aster, "The Bride."



Paeony Flowered Asters.

ASTERS.

Asters may be sown in the open ground after danger from frost is past. Stronger plants and earlier flowers can be obtained by sowing in a light window, hot bed or greenhouse. They require rich, loamy soil, and in dry weather should be mulched with well rotted manure to produce large flowers, yet they will succeed admirably in the most ordinary garden soil. H. A.

DWARF VICTORIA.

This is one of the best semi-dwarf Asters in existence. The flowers are very large, are borne on upright stems, are of ideal form, and the colors are of the richest and daintiest hues. There are color combinations and shadings in this class of Asters not found in any other class. Height 10 inches.

Pure White. Pkt.....	8c
Crimson. Pkt.....	8c
Purple Violet. Pkt.....	8c
Light Blue. Pkt.....	8c
Scarlet. Pkt.....	8c
Peach Blossom. Pkt.....	8c
Imported collection of the above six packets	40c
Dwarf Victoria, Mixed. Pkt.....	8c

PAEONY FLOWERED PERFECTION.

For size of flowers, beauty of colors and habit of plants, this Aster is almost unrivaled. Flowers are incurved like those of a paeony, and of beautiful form with rich, brilliant colors. Plants grow about two feet high, stout and vigorous.

Pure White. Pkt.....	8c
Rose and White. Pkt.....	8c
Purple Violet. Pkt.....	8c
Light Blue. Pkt.....	8c
Dark Blue. Pkt.....	8c
Crimson. Pkt.....	8c
Imported collection of above six packets	40c
Paeony-Flowered, Mixed. Pkt.....	8c

COMET OR POODLE.

Next to the above, the Comet is the handsomest of tall growing Asters. The flowers are handsome, very attractive, with long, curled and twisted petals formed into a large globe-shape. All are produced on long stiff stems, making these Asters useful for corsage bouquets as well as for cut flowers.

Mixed. Pkt.....	10c
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DWARF OSTRICH FEATHER

Of dwarf bushy habit, 8 inches in height, candelabra shaped and of elegant form. Flowers are of immense size with very long graceful curled petals, very imposing in appearance.

"The Bride." White changing to rose. Pkt. 25c; 3 pkts....50c



Semples Branching Asters.



Prize Balsams.

SPECIAL OFFER.

The five varieties of flowers on this page for 40c.

ASTERS—Cont'd.

SEMPLS TALL BRANCHING.

This is a strong grower and having a tendency to form numerous branches it should have more room than the ordinary Aster. The plant continues to grow later in the season than any other variety and blooms correspondingly late, thus giving its crop of flowers in late autumn when there is a scarcity of bloom.

White. Pkt.....	10c
Pink. Pkt.....	10c
Lavender. Pkt.....	10c
Crimson. Pkt.....	10c
Carmine. Pkt.....	10c
Purple. Pkt.....	10c
The above six packets for.....	50c
Semples Mixed. Pkt.....	10c

AURICULA.

The flowers which resemble the Primrose somewhat, are of various shades of crimson, yellow, maroon, etc.

Extra Choice Mixed. H. P. 6 inches. Pkt.....	15c
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BALSAMS.

Wernich's Prize. We have no hesitancy in pronouncing this strain the finest in cultivation. The flowers are very large, measuring from two to three inches in diameter, of perfect form, resembling the flower of the Camellia, and are as double. In fact, the petals are so densely produced that the yield of seed is extremely small, one single plant often producing not more than five seeds.

Pure White. Pkt.....	5c
Rose. Pkt.....	5c
Prince Bismarck. Salmon Rose. Pkt.....	5c
Scarlet. Pkt.....	5c
Lilac Rose. Pkt.....	5c
Dark Blue. Pkt.....	5c
The above six packets for.....	25c
Wernich's Prize Mixed. Pkt.....	5c

BEGONIA.

Magnificent flowering pot plants, and deservedly popular for garden bedding, flowering in the greatest profusion all summer.

Single, Large-Flowering, Mixed Colors. From choicest erect-flowering varieties. Pkt....	25c
Double, Large-Flowering, Mixed Colors. From prize varieties. Pkt.....	50c
Rex. Large, ornamental leaves of dark green, bronze, gold, red, etc. Pkt.....	25c

BROWALLA. (Amethyst)

Handsome annuals, with blue or white flowers, completely stunning the bushy plants during the whole summer; fine for garden beds in summer or pot culture in winter. H. H. A. 1½ feet.

Mixed Colors. Pkt.....	5c
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Double Carnation.



Calendula.



Calliopsis.



Chrysanthemum Japonicum.

BACHELOR'S BUTTON.

Bachelor's Button. See Centaurea. Page 62.

BELLIS.

Daisy. (See page 63.)

CACALIA.

Tassel Flower.

Very pretty, summer-flowering garden plants. Prized for cutting. H. A. 1½ feet.

Mixed Colors. Pkt.....5c

CACTUS.

Sow in flat pans or flower-pot saucers filled with sand, keep moderately moist and cover with a piece of glass or a tumbler. The best way is to place the pan or saucer in which the seeds are planted into one of larger size, which can be kept full of water, thus assuring the required moisture. H. H. P. Mixed. Pkt.....15c

CALCEOLARIA.

Unsurpassed for the greenhouse or conservatory, producing flowers in great variety. The blooms are remarkable for their oddness of shape, and for their richness, diversity and variety of color. T. P. 1 foot. Pkt.25c

CALENDULA.

Dwarf, bushy annuals, blooming abundantly until frost; of easy culture; indispensable for summer garden or for pot culture in the winter. H. A. 1 foot.

Meteor. Yellow, striped with orange. Oz. 20c; Pkt.....5c

Prince of Orange. Orange, striped light yellow. Oz. 25c; Pkt.....5c

Pluvialis. Single, pure white. Oz. 25c; Pkt.....5c

Mixed. Oz. 20c; Pkt.....5c

CALLIOPSIS.

Finest Mixed. Showy garden annuals, with large bright flowers borne in great profusion from early summer until frost. Height about 2 feet. H. A. 1 to 2 feet. Oz. 20c; Pkt.....5c

CAMPANULA.

"Cup and Saucer" Canterbury Bells. (Campanula Calycanthema.) Beautiful flowers 3 inches in length, saucers 3 to 4 inches across. The plants form perfect pyramids of bloom about 24 inches high, and they bear frequently from 100 to 200 of these exquisite blossoms for weeks during the early summer. H. B. 2 feet. Mixed. Pkt.5c



Calceolaria.



Celosia Plumosa.



Calceolaria.

CANARY BIRD VINE.

A beautiful climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with wings half expanded. H. H. A. 10 feet. Pkt.5c

CANDYTUFT.

Dwarf annuals, flowering profusely throughout the whole season; great favorites for beds, edgings, pots and borders; the plants are fairly covered with blossoms, and of the easiest culture. H. A. 12 inches.

Dwarf Carmine. Pkt.5c

Dwarf Lilac. Pkt.5c

Dwarf Mixed. Pkt.5c

"Empress" or Giant White Hyacinth-Flowered. A grand variety, producing enormous spikes of bloom, resembling a white Hyacinth. These spikes often measure 7 inches long by 2¼ inches in diameter; plant in bloom, 12 inches high. Pkt.....5c

CANNA.

Cannas are stately with handsome foliage and showy flowers. The seeds are extremely hard and it is advisable to file through the hard outside covering; soak in warm water several hours before planting. The roots may be wintered in the cellar—the same as Dahlias. T. P.

Madam Crozy, Finest Mixed. Oz. 50c; Pkt.5c

CARNATIONS.

The most magnificent of all the pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground. H. H. P.

Wernich's Double Perfection Mixed. Saved from a rich collection of mixed flowers. Pkt.15c

Early Red Grenadin. For yielding a quantity of double red flowers, there is no outdoor Carnation that can equal it. Pkt.....5c

Carnations, Fine Double Mixed. Sweet-scented sorts, large double flowers. Pkt.5c

Margaret Carnation. This Carnation blooms in four months from sowing. Flowers are larger, and the variety of colors is infinitely greater. Pkt.5c

CELOSIA OR COCKSCOMB.

Interesting and brilliant annuals so as to resemble a cock's comb, of tropical origin. Are finely cut. H. H. A.

Cristata Coccinea. Dwarf crimson, fine, 1 foot. Pkt.....5c

Glasgow Prize. Very dwarf; immense crimson combs. 1 foot. Pkt.5c

Ostrich Plumed, Mixed Colors. Plumes of crimson, orange, yellow, rose, etc. 3 feet. Pkt.....5c

All three pkts. (one of each) for 10c

SPECIAL OFFER.

The 7 Choice Flowers shown on this page for 40c.



Cineraria.



Clematis.



Cobaea Scandens.



Convolvulus Minor.

New Giant Fragrant Centaurea.

(Centaurea Imperialis.)

This new Centaurea represents the best that has been produced in these beautiful summer-blooming plants. The bushes are about four feet high, of enormous dimensions, and are covered with large beautiful flowers and very fragrant. The flowers will keep for over a week in water, if cut just when they are about to open. It is of the easiest culture. The color variation is very great, almost infinite.

Pure White. The best white flowers for cutting.

Armida. Very delicate color, pink with white tinge.

Favorita. Brilliant rose.

Graziosa. Intense dark lilac.

Splendens. Brilliant dark purple.

Variabilis. White, marked purple, fading to rose.

Price of any of above six kinds. Pkt. 10c; $\frac{1}{4}$ lb. 25c; oz. 75c; 6 pkts. 1 of each kind, for 35c.

All Colors Mixed. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c.

CENTAUREA.

Bachelor Button.

Thanks to the praiseworthy fashion late years of using, as far as possible, only long-stemmed flowers for bouquets, the Centaurea has become a general favorite.

Emperor William. Handsome blue color. H. A. Pkt.5c

Cyanus. Double mixed. H. A. Pkt.3c

CHRYSANTHEMUM.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants, good for pot culture, distinct from autumn-flowering varieties.

ANNUAL VARIETIES.

Lord Beaconsfield. Single Red. Pkt. 3c

Coronarium. Double, White. Pkt. 3c

Coronarium. Double Yellow. Pkt. 3c

Mixed Annuals. Pkt.3c

All four packets.10c

PERENNIAL VARIETIES.

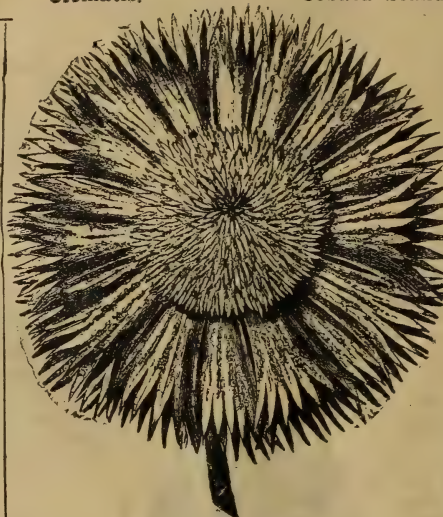
Japonicum. Fl. pl. New Japanese varieties. Pkt.10c

All 5 Varieties.15c

CLARKIA.

Charming garden annuals. The flowers of rose, white, red, purple, etc., borne in profusion. H. A. 1 to 2 feet.

Double Mixed. Pkt.5c



New Giant Centaurea.



Clarkia.



Cyclamen.

SPECIAL OFFER.

The 7 Choice Flowers on this Page for 65c.

CINERARIA.

Wernich's International Mixture. This is a mixture of the finest English, French and German strains, the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Pkt.10c

Maritima. (Dusty Miller). Extensively used for ribbon-planting, vases, hanging baskets, etc.; leaves are silver gray; although perennial, it is grown as an annual. H. H. P. Pkt.5c

CLEMATIS.

A well known and rapid growing, free flowering climber. Seed should be sown in the fall or winter in shallow boxes in the usual way, and when an inch or two high, transplant into boxes or small pots preparatory to planting in the open ground. H. P.

Jackmanii Varieties. Flowers 3 to 4 inches across. Mixed. Pkt.25c

CLEOME PUNGENS.

Giant Spider Plant.

Grows freely from seed sown in the open ground during April or May; height about 4 feet. The flowers are very showy, with long, slender stamens and rose-colored petals, combined with the long, slender seed pods, give it the effect of a long and many-legged spider, with the flowers for a head. T. B. Pkt.5c

COBAEA.

Magnificent rapid growing climber, often growing 20 to 30 feet in one season. The seed should be planted edge down and no water given unless the soil becomes very dry. T. P.

Scandens. Blue. Pkt.5c

Albo. White. Pkt.10c

COLEUS.

Grown either in the garden or in pots. They are very handsome. Easily raised from seed if planted in good soil and watered plentifully. The color combinations are remarkably beautiful and make as handsome a foliage plant as can be obtained from seeds.

Hybrida. Pkt.15c



Dahlia.



Dianthus Chinensis.



Fingerhut.



Dolichos.

COSMOS.

Giant Fancy. The plants, 5 to 6 feet high, are one mass of feathery green foliage, gemmed with large single flowers of white, pink or crimson, enlivening the garden long after more tender flowers have succumbed to early frost. H. H. A. Pkt.....10c

CYCLAMEN.

H. H. P.

Giganteum Mont Blanc. Snow white, large. Pkt. 25c
Giganteum. Dark Red. Pkt.25c
Giganteum Roseum. Lovely pink. Pkt.....25c
Persicum Giganteum. Finest Mixed. The flowers measure from 2 to 2½ inches in length. Pkt. 25c

CYPERUS.

Umbrella Plant. A strikingly handsome foliage plant, easily raised from seed. T. P. Pkt.....10c

CYPRESS VINE.

For training upon a light ornamental trellis, the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely-cut foliage is particularly adapted to ornamental work. H. H. A.

Scarlet. Pkt.5c
White. Pkt.5c
Ivy Leaved, Mixed. Pkt.....5c
Pink. Oz. 25c; Pkt.....5c

DAHLIA.

Dahlias from seed sown in the spring will bloom the first summer. We would advise starting seed under glass and transplanting to garden in rich soil the 1st of May. H. H. A.

Double Large Flowering. Mixed. Pkt.10c
Pomponé Mixed. Pkt.....10c
Cactus Mixed. Pkt.....10c

DAISY.**Bellis Perennis.**

Plants of Double Daisy will bloom the first summer, and will continue to bloom for years if given slight protection during winter.

Maxima. Double Giant, Red. Pkt.10c
Snowball Daisy. Long stem and large double flowers. Pkt.10c
Longfellow. Dark pink flowers, usually large and double, very long and stiff flower spikes. Pkt.....10c

All three, one packet each, for25c
Double Mixed. Pkt.....10c



Artotis Grandis.



Dianthus Nobilis.

AFRICAN LILAC DAISY.

(Arctotis Grandis.)

The handsome appearance and elegant habit of this new plant are certain to make it popular. This annual is a native of Southwest Africa, but grows perfectly in our climate.

Being of very easy culture on a suitable sunny place, these plants produce their flowers most abundantly and in constant succession from early summer until autumn.

This fine novelty we recommend to all our customers for a trial. Pkt. 10c; 3 for25c

DATURA.**Trumpet Flower. H. A.**

Cornucopia — Horn of Plenty. The flower is immense, often 10 inches long and 5 inches wide at the mouth and conical, having 3 cones, one within the other, each with spreading wavy margins. Color is fine purple-white. Pkt. 10c
Double Mixed. Oz. 40c; Pkt.5c

DIANTHUS OR PINKS.

Hardy Garden Pinks. H. B. Chinensis. China or India (Pink.) Superb varieties, double mixed. Oz. 30c; Pkt.....5c

Heddewigii, Mixed Colors. (Single Japan Pinks.) Magnificent flowers, 2 to 3 inches across, broad and round, and of many exquisite colors: blotched, spotted and splashed. Pkt.5c

Plumarius, Double Mixed. Double-fringed fragrant flowers of white, crimson or purple shades, spotted and variegated. 12 inches high. Pkt.10c

ROYAL PINKS.

(Dianthus Heddewigii Nobilis.)

The Indian Pink has been a favorite flower for many years, being of easy culture and a graceful bloomer, requiring but little attention. Dianthus Heddewigii Nobilis is an improvement of the old fashioned variety. The flowers are of a beautiful shape and from three to four inches in diameter. The more the blooms are cut, the more the plant will produce. Pkt. 10c. 3 for 25c.



Eschscholtzia Mandarin.



Ferns.



Golden Rod.



Heliotrope.

DIGITALIS.**Foxglove, or Witches' Fingers.**

Ornamental hardy border plants, easy culture, having long spikes of showy flowers. 3 to 5 feet. H. P.

Fine Mixed. Pkt.5c

DOLICHOS LABLAB.**Hyacinth Bean.**

A rapid-growing climber of easy cultivation, bearing a profusion of pea-shaped purple blossoms; the seed-pods are of a beautiful deep purple shade in the fall. Sow in the open ground in April. H. H. A. 10 feet. Pkt.5c

ESCHSCHOLTZIA.**California Poppies.**

Beautiful and popular garden annuals of easy culture, forming nice bushy plants; 1 foot high.

Alba. Pure white. Pkt.5c

Mandarin. Large, bright scarlet; interior orange. Pkt.5c

Rosea. Rose. Pkt.5c

Mixed. Oz. 30c; pkt.5c

FERNS.

No prettier ornament can be imagined than a vase of assorted Ferns for the parlor, or what is handsomer in the conservatory than pots and hanging baskets of the various kinds?

Hardy Perennial Varieties, Mixed. Pkt.15c

FORGET-ME-NOT.**Myosotis.**

An old favorite. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season. H. H. P.

Alpestris Alba. Pure white. Pkt. 5c

Victoria. Forms a neat, compact bush about 6 inches high, that at all times during the season is one mass of sky blue flowers with yellow centers. Pkt.5c

Palustris. A bed of this when abloom in spring is a lovely sight, a sheet of sky blue flowers; 6 inches. Pkt.10c

All three, 1 packet each, for...15c

FOUR O'CLOCKS.**Marvel of Peru.**

They are exceedingly fragrant, expanding in the evening and withering the next morning. H. A. 2 feet.

Fine Mixed. Pkt.3c

FUCHSIA.**Ladies' Eardrop.**

They bloom the first year from seed if sown reasonably early.

Single Mixed. Pkt.15c

Double Mixed. Pkt.25c

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during summer and autumn.

Mixed. Pkt.10c



Edelweiss.



Forget-Me-Not.



Godetia.

GERANIUM.**T. P.**

Zonale Varieties. Saved from some of the finest collections and many choice and even entirely new varieties may be expected.

Zonale Mixed. Pkt.10c

Lady Washington. Pkt.20c

GLOXINIA.

A magnificent class of house blooming bulbous plants with handsome bell-shaped flowers in a diversity of the richest colors.

French Hybrids. The best strain in existence, embracing all colors, the largest flowers and the latest novelties.

Pkt.25c

EDELWEISS.**Gnaphalium.**

The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. H. P. Pkt.10c

GODETIA.

Showy garden annuals, of compact growth, about 1 foot high, bearing freely flowers 3 to 4 inches across of exquisite colors and shades that glisten in the sunlight like satin. H. A. 1 foot.

Mixed. Pkt.5c

GOLDEN ROD.

Solidago Canadensis. By many looked on as the National Flower of America; flowers golden yellow, height 2 feet. H. P. Pkt.5c

GOURDS.

These are rapid growing climbers, therefore desirable for many places where an immense amount of vine is wanted quickly.

Towel, Gourd, or Luffa. Many ladies prefer a dish cloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left. Pkt.5c

Hercules Club. Pkt.5c

Nest Egg. Pkt.5c

Bottle-Shaped. Pkt.5c

Mock Orange. Pkt.5c

Apple-Shaped. Pkt.5c

All five varieties, 1 packet each, for15c

Mixed. Oz. 40c; pkt.5c

HEDYSARUM.**French Honeysuckle.**

Handsome flowering plants, producing attractive pea-formed flowers. H. B.

Coronarum, Red. Pkt.5c

HELIOTROPE.

Heliotropes can be grown as readily from seed as Pansies or Verbenas. Sow in open ground in May, and the plants will bloom in August. H. H. P.

Finest Mixed. Many varieties and colors. Pkt.5c

SPECIAL OFFER.

The 7 Choice Flowers

Shown on this Page

for 45c.



ICE PLANT.



Larkspur.



Lobelia



Lupinus.

HELIANTHUS, OR SUNFLOWER.

Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. H. A.

Nanus Folius Variegatus. The foliage variegated, green and white; dwarf. Pkt.....5c

Stella. (New. Cut and Come Again Sunflower.) 3 to 4 feet. Flowers on long stems. Valuable for cutting. Pkt.....5c

Macrophyllus Giganteus. A branching pyramidal - shaped plant; yellow flowers about 18 inches in diameter. 6 feet. Pkt.5c

Dwarf Double. (Miniature.) Flowers single bright orange, elegant in form, suitable for bouquets, as they measure only about 2 inches across. 3 feet. Pkt3c

Large Russian. Pkt.....3c

HOLLYHOCK.

The seed we offer of this handsome flower has been saved from the best collections of Europe. H. P.

Wernich's Superior Double Prize Hollyhocks.

The following, per packet, 10c each.

Blush,	Maroon,
Canary Yellow,	Pink,
Crimson,	Purple,
Deep Rose,	Salmon,
Lavender,	White,
Light Apricot,	White Violet Center.

Per pkt. 10c; three pkts. 25c; six pkts. 40c; all twelve pkts., one of each, 75c.

Extra Choice Double Mixed. From named varieties. Pkt.....5c

Everblooming Allegheny Hollyhocks.

This new variety blooms the first year from seed, and the flowers are most decidedly different than those of the old type. They are much larger, 4 to 5 inches in diameter, double and semi-double, fringed and curled. Mixed. Pkt.....10c

HUMULUS JAPONICUS.

Japanese Hops.

This splendid climber in foliage resembles the old-time Hop, but the foliage is more dense and exceedingly luxuriant, somewhat rough and hairy. A. A. 15 to 20 feet.

Japonicus. Insect proof, withstands heat and drought and remains fresh until late in the fall. Pkt.....10c

Variegatus. Like the preceding, except that the foliage is beautifully blotched. Pkt.....10c



Helianthus, Stella.



Humulus.



Lophospermum.

ICE PLANT.

Mesembryanthemum Crystallinum.

A singular looking plant with thick, fleshy leaves, which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light, sandy soil in a warm situation. T. A. Pkt.....5c

LARKSPUR.

A beautiful genus, the prevailing color of the flowers being blue. For planting in permanent places and massing in clumps in mixed borders they are particularly desirable.

Double Tall Annuals. Mixed. Pkt.5c

Double Dwarf Annuals. Mixed. Pkt.5c

Perennial Varieties. Finest

Mixed. Pkt.10c

KENILWORTH IVY.

Linaria Cymbalaria.

One of the most beautiful of basket or vase plants is Kenilworth Ivy, and it can be grown from seeds by anyone as readily as a Morning Glory. Pkt.....5c

LOBELIA.

Dwarf-growing plant from 4 to 6 inches high, with blue, white, crimson and rose flowers, adapted for ribbon borders, beds, baskets and pots. Should be started in heat and afterwards transplanted. H. H. P.

Erinus Varieties, Mixed. Pkt.....5c

LOPHOSPERMUM.

Rapid-growing, ornamental, climbing plants, with leaves and handsome flowers. T. P.

Scandens. Pure violet. Pkt.....5c

Coccineum. Scarlet. Pkt.....5c

LUPINUS.

Very desirable plants bearing long spikes of brilliant flowers.

Dwarf Annuals, Mixed. Pkt.....3c

Tall Annuals, Mixed. Pkt.....5c

MATRICARIA.

Double White Feverfew.

Alba Plenissima. Bushy annual garden plant, bearing quantities of white double button-like flowers, useful for cutting. 2 feet. Pkt.....5c

MOMORDICA.

Curious climbers, with ornamental foliage and odd-shaped fruit, which, when ripe, open showing a brilliant red interior; make a nice display on trellis and rock work. H. H. A. 10 feet.

Momordica Charantina (Balsam Pear). Pkt.5c

Momordica Balsamina (Balsam Apple). Pkt.5c

IMPERIAL JAPANESE MORNING GLORIES.

Soak the seeds in lukewarm water for 24 hours before sowing. Flowers from 4 to 6 inches across, colors running from snowy white through all possible shades of blue, and red from palest pink to darkest reds and purple. They are streaked, striped, mottled and blotched in wonderful fashion. Sow in May. They do not start as quickly as the common Morning Glory, but will reach a height of 20 feet during the summer. Oz. 15c; pkt.....5c

MORNING GLORIES.

Convolvulus Major.

The old-fashioned Morning Glory is easy to grow and will reach a height of 20 feet in one season. Should be sown early and where intended to bloom. H. H. A.

Fine Mixed. Oz. 10c; pkt.....3c

Convolvulus Minor.

These grow about 1 foot high only. They are useful plants in the garden and for hanging baskets. H. H. A.

Fine Mixed. Oz. 10c; pkt.....3c

MOON FLOWERS.

(Ipomea.)

Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors or stumps of trees.

Brazilian Morning Glory. (Setosa.) Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July to frost. Leaves are 8 to 12 inches across. T. P. 10 to 20 feet. Pkt.....10c

Evening Glory. (Bona Nox.) Violet, large, fragrant flowers, expanding in the evening. T. A. 15 feet. Pkt....5c

Moon Flower. (Grandiflora Alba.) It bears in greatest profusion its lovely immense white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center; the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. T. A. 15 feet. Pkt.....10c

Northern Light. Flowers 2 inches in diameter, of pink lavender color, blooming earlier than any of the Ipomeas that open in the evening. The foliage is large and handsome and remarkable for its drought-resisting qualities. T. A. 15 feet. Pkt.....10c

The above 4 named Moon Flowers. 25c

MAURANDIA.

Beautiful, rapid climber, blooming profusely until late in the autumn, also fine for the conservatory or greenhouse. 10 feet high. T. P. C.

Mixed, Choicest Kinds. Pkt.....5c

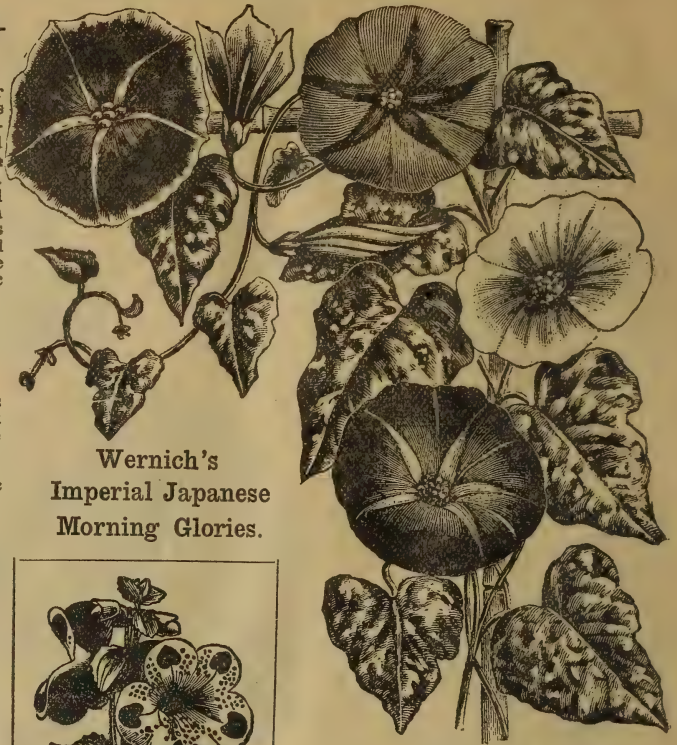
MARIGOLD.

A well known magnificent plant with handsome flowers of rich and beautiful colors and compact green foliage. H. H. A.

Legion of Honor. The plants will bloom from the middle of summer until late in fall. Flowers are rich golden yellow marked with velvety brown. 15 inches high. Pkt.....5c

Double French, Mixed. Yellow, brown and crimson, beautifully striped; 1 foot. Pkt.3c

Double African, Mixed. Effective for groups and masses. Yellow and orange shades. 2 feet. Pkt.....3c



Wernich's
Imperial Japanese
Morning Glories.



Mimulus.



Nicotiana.



Marigold.

MIGNONETTE.

(See Reseda. Page 69.)

MIMOSA.

Pubica. (Sensitive Plant.) A very interesting and curious plant, its leaves closing if touched or shaken. H. H. A. 9 inches high. Pkt....5c

MIMULUS.

Monkey Flower.

Showy, profuse flowering plants. fine for greenhouse or moist, shady situations. Seed is very small and should be covered very slightly.

Moschatus. (Musk Plant.) Fine for hanging baskets, etc.; the thin, delicate leaves emit a pleasant musk odor. T. A. Pkt.....5c

NICOTIANA.

Affinis. (Sweet-scented tobacco plant.) Produces freely deliciously scented large white tubulous flowers. If taken up in fall and potted it will bloom in the house during the winter. H. H. A. 2 feet high. Pkt.5c

NIGELLA.

(Love in a Mist or Devil in the Bush.)

A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed pods; of easy culture in any garden soil. H. A. 1 foot.

Damascena, Mixed. Pkt....5c



NASTURTIIUM

TALL OR CLIMBING VARIETIES.

Nothing can equal the tall varieties as cover for fences, verandas, or unsightly outhouses. They flower profusely. H. A.

Price of any of the following named varieties: Pkt. 3c; oz. 10c; ¼ lb. 35c (except where noted).

Atropurpureum. Rich brownish red or velvety crimson.

Crimson. Deep velvety red, brown and brownish crimson.

Edward Otto. Brown, with rich yellow calyx and spur.

Hemisphaericum. Yellow, with throat blotches of deep crimson.

King Theodore. Flowers almost black, foliage bluish-green.

Luteum. Large flowers of a clear, deep orange yellow.

Orange. Deep orange stained with cinnamon brown in throat and brightly marked with crimson blotches.

Pearl. Flowers of a soft primrose or pale lemon yellow, self-colored and of delicate satiny texture. Oz. 15c; ¼ lb. 45c.

Regelianum. Deep brownish red, shaded with purplish violet. 1 oz. 15c; ¼ lb. 45c.

Scheuerianum. Pale yellow or light straw colored, brightly marked with carmine blotches and shadings.

Vesuvius. Brilliant fiery rose, very effective, new and beautiful.

Von Moltke. Beautiful rose.

Mixed. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 70c postpaid.

12 pkts., one pkt. of each, 25c. 12 oz., one oz. of each, 75c.

DWARF OR BEDDING VARIETIES.

Price of the following named varieties: Pkt. 3c; oz. 10c; ¼ lb. 35c (except where noted).

Aurora. Chrome-yellow, veined with purplish carmine.

Beauty. Glowing orange with suffused flaming scarlet markings.

Chameleon. Possesses the peculiarity of producing variously colored flowers on the same plant. Oz. 15c; ¼ lb. 35c.

Coccineum. A beautiful dark velvety scarlet. Golden foliage. Oz. 15c; ¼ lb. 45c.

Empress of India. Dark, rich salmon-scarlet.

King Theodore. Dark foliage and flowers of a rich velvety crimson.

Dwarf Nasturtiums, Mixed. All of above mixed: Pkt. 3c; oz. 10c; ¼ lb. 25c; ½ lb. 85c.

All 12 varieties, 1 pkt. each, 25c. All 12 varieties, 1 oz. each, 90c, net without discount.

OXALIS.

Small free-flowering plants, with brightly colored clover-like leaves, thickly starred with small bright flowers from June until frost. Sown thinly in drills it makes a fine edging or border for flower beds. The seed being small, it should be lightly covered. T. P. Mixed. Pkt.5c

PAEONY.

Beautiful hardy plants. Large, handsome flowers. H. P.

Sinensis, Mixed. Pkt.10c

PASSION FLOWER.

A well known climber of rapid growth, with singular large flowers, well adapted to house culture in winter or in sunny positions in summer. H. H. A. 10 feet. Mixed. Pkt.10c

PERILLA NANKINENSIS.

Ornamental foliage plants of compact habit; similar to Coleus, with leaves of a black mulberry color; showy garden annual. H. H. A. 1½ feet. Pkt.5c



Oxalis.



Passion Flower.



WERNICH'S GIANT AND PRIZE PANSIES.

There is nothing in our extensive list of Flower Seeds which is more important than Pansy Seed, and we spare no trouble or expense to have the very best strains that are to be procured, and we know there is no better Pansy Seed to be had either in this country or in Europe than we carry in stock and supply to our customers.

GIANT PANSIES.

The blossoms are simply enormous, perfect in form and run through all the varieties of colors.

- Giant Adonis.** A magnificent light blue with a white center. Pkt.....10c
Giant Azure Blue. Velvety dark blue, beautiful. Pkt.....10c
Giant Goldelse. (Canary-bird.) Spotless yellow. Pkt.....10c
Giant King of the Blacks. Lustrous jet-black. Pkt.....10c
Giant Fire King. Crimson-purple and golden-yellow. Pkt.....10c
Giant Peacock. Garnet-cream, garnet and blue. Pkt.....10c
Giant Snowqueen. (Snowflake.) Spotless snow-white. Pkt.....10c
Giant Striped. White, blue, violet and chocolate. Pkt.....10c
Giant Trimardeau, Mixed. A splendid mixture of the above named and many others. First quality seed saved from the finest strains. We claim to have the best Giant Pansy mixture, both in size and colorings. ½ oz. 40c; pkt.....10c
Wernich's Parisian, Mixed. Thousands of these Pansies are sold daily in the Paris markets. The flowers of this strain are as large as the "Giant" and far superior in colors and markings. ½ oz. 50c; pkt.....15c

Special Offer.

Any 4 Packets,
Giants, for 30c.
All 8 Packets,
(one of each)
Giants for 50c.
Net, no discount.

PRIZE PANSIES.

The best Pansy for bedding. Almost an endless variety of all shades and colors.

- Prize Yellow.** Pure yellow, without eye. Pkt. 5c
Prize Emperor William. Ultramarine blue with purple violet eye. Pkt.....5c
Prize Dr. Faust. Densest black Pansies known. Pkt.....5c
Prize Snowflake. Pure white. Pkt.....5c
Prize Victoria. (New.) Splendid wine red. Pkt.....5c
Prize Gold Margined. Beautiful, with gold edge. Pkt.....5c
Prize Silver Margined. Beautiful, with silver edge. Pkt.....5c
Prize Prince Bismarck. Golden bronze, marbled and light brown. Pkt.....5c
Prize Bedding, Mixed. All of the above and many others in mixture. Best mixture of Bedding Pansies, saved from the finest strains by one of the largest Pansy growers in Germany. ½ oz. 25c; pkt.....5c
Fine Mixed. Of all shades and colors and of sturdy growth. The seed is good, but is not to be compared with the better mixture. ½ oz. 15c; pkt.....3c

Special Offer.

Any 4 Packets,
Prize for 15c.
All 8 Packets,
(one of each)
Prize for 25c.
Net, no discount.

The Largest and Finest. WERNICH'S "ELITE" MIXTURE. Nothing to Equal Them.

While the "Giant" Pansies are great favorites on account of size, WERNICH'S "ELITE" PANSIES excel them in size as well as colorings. This grand strain of Pansies is saved for us by one of the largest Pansy growers in Europe, a grower who in competition with noted Pansy specialists at Fairs, Flower Shows and Exhibitions, has been awarded the highest prizes. "Elite" Pansies are unexcelled by any in size of flower or for richness of color. Flowers are large and colors sharply defined markings. ½ oz. \$1.00; pkt. 25c.

PETUNIA.

Invaluable for planting out in beds or mixed borders. H. H. P.

NEW STAR. A novelty. A free grower and branches freely. The flower is about 2¼ inches in diameter. Ground color is crimson maroon with a rich, velvety texture. From the center the points of a five-rayed star begin broadening half way up and narrowing to a point at the margin of the flower. Color of star is a light blush pink. Pkt. 15c; 2 for.....25c

Fine Mixed. Splendid varieties. Pkt.....5c
Hybrida Grandiflora. Finest striped and blotched varieties. Large flowering. Pkt.....10c

Fringed Hybrida, Mixed. Large flowers of various shades, colors and markings, beautifully fringed. Pkt.....15c

Wernich's Double Giant Petunia. This splendid strain of flowers as large as Hollyhocks; double with finely fringed edges and crinkled petals. The combination of colors is varying in all shades and markings. Pkt.....25c



Petunia New Star.



Phlox Drummondii.



Double Poppies.



Primula.



Pyrethrum.

PHLOX DRUMMONDII GRANDIFLORA.

For beds and massing, nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers of numberless hues throughout the summer. 1½ feet high. Our large flowering Phlox is an improved strain with extra large perfectly round flowers with petals overlapping each other.

- Alba.** Pure white. Pkt.5c
Brilliant. (New.) Rose with dark red eye. Pkt.5c
Atropurpurea Alba Oculata. Purple with white eye. Pkt.5c
Black-Brown. Darkest color in Phloxes. Pkt.5c
Coccinea. Brilliant-scarlet, rich and bright. Pkt.5c
Coccinea Striata. Fiery-red, white striped. Pkt.5c
Vermilion Scarlet. (New.) Fine color. Pkt.5c
 Any 4 of the above, 15c; all 7 Phloxes, 1 pkt. each.25c
Large Flowering, Mixed. Oz. 50c; pkt.5c
Phlox Cuspidata. (Star of Quedlinburg.) Flowers are of regular star-like form. Plant of compact habit, about 12 inches high, bearing large umbels of flowers. Colors varied and beautiful, including white, rose, salmon, scarlet, etc. Mixed. Pkt. 5c

POPPIES.

Very attractive in large beds, clumps and mixed borders. The seed should be sown where it is to remain.

Single Annuals.

- Danebrog.** Scarlet with a white cross in the center, resembling a Danish flag. Pkt.5c
Peacock. Large brilliant scarlet and crimson flowers, with a black zone near the center, making a strong and beautiful contrast. Pkt.5c
Shirley. Many of the flowers are veined, streaked and flaked from the center towards the edges, while others are red, edged with white. Mixed colors. Pkt.5c
Tulip Poppy. A magnificent strain of Poppies, flowers of the most intense scarlet. Pkt.10c
Single Mixed. Oz. 30c; pkt.5c

Double Annuals.

- Paeony Flowered, Mixed.** Immense double, smooth-edged, broad-petaled flowers, resembling Paeonies. Height about 2 feet. Pkt.5c
Carnation-Flowered, Mixed. Magnificent garden annuals, 2 to 2½ feet high; large globular flowers often a foot in circumference, of the greatest variety of colors. Pkt.5c



Portulaca.



Reseda Goliath.

POPPIES—Continued.

Hardy Perennials.

Iceland Mixed. Although hardy perennials, these Poppies bloom the first season from spring-sown seed. The flowers are produced in never-ceasing succession from the beginning of June to October. Pkt.10c

New Orientale Hybrids. Containing charming new colors, pink, blotched purple, blood-red blotched black, glowing scarlet, reddish orange, salmon, etc. Pkt.10c

All 8 Pkgs.40c

PORTULACA.

Popular hardy annuals, producing flowers of almost every hue in profusion, succeed best in sunny places, and will hardly ever suffer from want of moisture.

Single Mixed. Pkt.5c

Double Mixed. Pkt.10c

PRIMULA.

Chinese Primroses are lovely and useful little plants for pot culture that bloom most freely during winter and spring. T. P. **Single Fringed.** Mixed. Pkt.25c
Double Fringed. Mixed. Pkt.50c

PYRETHRUM.

Old favorite herbaceous plants, very much in use for borders. The Golden Feather is a valuable yellow-leaved variety much used for carpet beds.

Parthenifolium Aureum (Golden Feather). Bright golden foliage. Pkt.10c

Roseum (Persian Insect Powder Plant). Rose colored. Pkt. 10c

RESEDA-MIGNONETTE.

The hardest annual in cultivation and a universal favorite for its sweet and delicate fragrance. The varieties named below are valuable improvements. H. A.

Reseda Odorata. (Sweet Mignonette). Oz. 15c; pkt.3c

Machet. The flower spikes are very broad and long, and the red flowers exceedingly fragrant. The best variety for pot culture and bedding. Oz. 75c; pkt.10c

Giant Pyramid. A grand and distinct sort. Large flowered, pyramidal in shape. Oz. 25c; pkt.5c

Golden Queen. Golden yellow flowers; dense dwarf growth. Oz. 40c; pkt.5c

Giant Red Goliath. This wonderful Mignonette grows 12 to 16 inches in height, in pyramidal form; its enormous flower spikes are of the largest size, the individual blossoms of an intense red color and are very sweet-scented. One of the best for cut flowers and pots. ¼ oz. 25c; pkt.10c



Salpiglossis.



Silene.



Scabiosa.



Salvia Splendens.

SALPIGLOSSIS.

(Large-flowering.)

Most beautiful garden annuals, about 18 inches high, bearing flowers 3 inches across, of many beautiful colors, all exquisitely veined and laced.

H. H. A.

Large-Flowering, Mixed Colors. Pkt.....5c

RICINUS OR CASTOR OIL BEAN.

They are splendid for subtropical effects, either planted singly on the lawn or in the center of a Cannas or Caladium bed. 6 to 15 feet high. H. H. A.

Borboriensis Arboreus. Beautiful green leaves of immense size; 12 to 15 feet high. Oz. 15c; pkt.3c

Cambogiensis. Leaves large and palm-shaped and of bronzed color, with red veins. Stems of leaves are of brown, while the main stem of the plant is black. Oz. 40c; pkt.5c

Zanzibarensis. An entirely new and distinct class of Castor Oil Beans from Africa, having short, stocky stems and enormous leaves, often 2 to 2½ feet across. Foliage of different colors, dark predominating. Mixed. Oz. 50c; pkt.5c

Gibsoni. Dark purplish red foliage and stems; highly ornamental; 6 feet high. Oz. 20c; pkt. 5c

Collection of above 4 pkts. 15c
Castor Beans, Mixed. Above and many others in mixture. Oz. 10c; pkt.3c

ROSES.

Polyantha Multiflora. (Little Midgets.) Pretty little dwarf Roses, which commence blooming in about six weeks after the seed is sown. The flowers are semi-double, of various tints, and produced in large clusters freely until the frost comes. Although blooming freely the first season, they do not attain their best until the second year, when they are a perfect mass of bloom. H. P. Pkt.10c



Stocks.

STOCKS.

These popular flowers are of such great beauty that they deserve a place in every garden. H. H. A.

LARGE FLOWERING DOUBLE TEN WEEKS.

Pure White. Rose. Canary Yellow. Crimson. Carmine. Light Blue. Any of the above pkts. 10c; any three pkts. 25c; all six pkts. 45c.

Large Flowering, Ten Weeks, Mixed. Pkt.....10c

Dwarf German, Ten Weeks, Mixed. Pkt.....5c

Giant Perfection Stock, Mixed. This sort produces plants 2½ feet high with long flower spikes, handsome double flowers. Pkt.....10c

CUT AND COME AGAIN OR PERPETUAL-FLOWERING STOCK.

About 2 feet high; producing from spring to late in the fall beautifully shaped double flowers, which encircle numbers of side branches, and the oftener they are cut the better they seem to like it.

Mixed Colors. Pkt.....10c

SALVIA.

(Flowering Sage.)

Handsome plants, excellent for beds or borders, with long spikes of flowers, which continue in bloom until late in the fall. Sow seeds in April. H. H. P.

Splendens (Scarlet Sage). Vivid scarlet. 3 ft. Pkt.5c

Patens. Flowers of a delightful blue. Pkt. 10c

Coccinea Lactea. Pure white. Pkt.10c

SCABIOSA.

(Mourning Bride or Sweet Scabious.)

Very desirable plants, producing very pretty flowers of many colors in great profusion. Good for cutting for vases, etc. H. A.

Dwarf Double. Flowers are very globular. Pkt.5c

Tall Mixed. Large and beautiful flowers, being double clear through to the center of the flower. Excellent for cutting. Pkt.5c

SILENE.

Pendula Compacta (Catch-Fly). Beautiful free-flowering plants, very attractive for rock work, etc. H. A. Mixed. All colors. Pkt.5c

SMILAX.

Charming tender perennial climber for greenhouse or window gardens. The foliage and stems are of a pleasing light green; very graceful. Excellent for decoration. T. P. 6 feet. Pkt.10c

SWEET WILLIAM.

(Dianthus Barbatas.)

One of the most admired of our garden flowers. Hardy plants, about 1 foot high, of extreme richness and variety of color, and also deliciously sweet-scented; for clumps or borders no plant can surpass this old favorite. H. A.

Single Mixed. Oz. 40c; pkt.5c
Double Mixed. Oz. 80c; pkt.10c



SMILAX.



Sweet William.

WERNICH'S SWEET PEAS

30 GRAND NAMED SORTS.

A Few Rules for the Successful Cultivation of Sweet Peas.

The plants should not be raised for two successive seasons on the same ground. Neither should they be planted on the same ground after culinary peas.

Manuring with stable manure in the row immediately before sowing the seed is not desirable.

Ground intended for sweet peas, if not left in good condition after taking the last crop, will be better for manuring the previous fall rather than at the Spring Seeding.

The use of artificial fertilizers, bone meal, nitrate of soda, etc., can be made in Spring at the time of planting or soon after.

Thin sowing, by which is meant planting the seeds from four to six inches apart, is conducive to vigor and strength of the plants which come later into bloom, but continue much longer than the plants from thick seeding.

Frequent stirring of the soil with hoe or cultivator in dry weather, thus producing a dust mulch, is preferable to artificial watering, unless irrigating facilities afford opportunities for a regular and abundant supply of water.

Do not allow any flowers to go to seed else the plants will stop blooming.

Shades of White.

Blanche Burpee. Pure white, extra large size, good substance.

Emily Henderson. Pure white flowers, extra large on long stiff stems.

Shades of Heliotrope.

Emily Eckford. Reddish mauve, fading to light blue, large.

Dorothy Tennant. Deep rosy heliotrope, becoming darker with age.

Shades of Yellow.

Coquette. Wings primrose yellow, standard shaded pale lavender on a primrose ground.

Mrs. Eckford. Primrose, yellow, large flower.

Shades of Pink.

Blushing Beauty. Very fine, delicate shade of pink.

Lovely. Warm, rosy pink, large and fine.

Mrs. Gladstone. Delicate soft rosy pink, bluish wings.

Shades of Rose.

Adonis. Rose and carmine, small flowers.

Novelty. Rich rosy red, a very bright color.

Shades of Scarlet.

Firefly. Intense glowing scarlet, fiery scarlet wings.

Invincible Scarlet. Bright scarlet, very fine.

Shades of Blue.

Captain of the Blues. Standards, purplish blue, wings deep blue.

Navy Blue. Dark blue, the best of blues. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.00.

Prices (except where noted), per pkg. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c, postpaid.

Shades of Bluish Mauve.

Celestial. Delicate lavender blue, a German novelty.

Countess of Radnor. Rosy lavender, wings pure lavender.

Shades of Maroon.

Boreatton. Very dark maroon, self-colored.

Indiga King. Maroon, nearly indigo.

White with Lilac Blue.

Butterfly. White, laced with lavender, notched standards.

Lottie Eckford. White suffused rosy lilac, blue edge.

Maid of Honor. Lavender and white, edged blue.

Pink and White Shades.

Blanche Ferry. Rosy red, wings bluish white, very profuse.

Modesty. A delicate pink, running to white. Beautiful.

Delicate Blendings.

Venus. Lovely, salmon-buff, faintly shaded with rosy pink. The fine large flowers become deeper in shade as they remain open.

Princess Beatrice. Fine large size, self-colored in a very soft pink, suffused on silvery white, shading brighter at the edges.

Variegated and Striped.

Aurora. Striped rosy orange on white, a most attractive variety.

Romona. Creamy white, with soft flesh pink stripes, a dainty effect.

Juanita. Striped lavender and mauve on white.

Columbia. Striped red and blue on white.

MIXTURES OF SWEET PEAS.

Wernich's Bouquet Mixture. This is the finest mixture ever offered, containing not only all of the above named varieties, but also many others. This seed is not grown in mixture, but is carefully mixed by us with consideration to produce tone and effect. Bouquet Mixture has won unstinted praise of our customers. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00; postpaid.

Wernich's Fine Mixed. A good mixture containing nearly all of the above and many others. Pkt. 3c; oz. 7c; ¼ lb. 15c; 1 lb. 50c; postpaid.

SPECIAL OFFER.

No. 1. Any 3 pkts. 10c; any 10 pkts. 30c; all 30 pkts. 75c; postpaid.
No. 2. Any 3 ozs. 25c; any 10 ozs. 65c; all 30 ozs. \$1.75; postpaid.

VERBENA.

Nothing excels the Verbena for showy flower beds. Sown early, they bloom the same year, their large self-colored striped and variegated flowers covering the entire plant. H. H. P. 1 foot.

Fine Mixed. Pkt.5c
Hybrida. Choicest Mixed. Saved from the most beautiful named flowers. Pkt.10c

HYBRIDA COMPACTA. A valuable sort for bedding and edging purposes, on account of its short compact habit. Plants grow only 5 inches high and spread over 15 inches, covered with flowers. Pkt. 10c; 3 for.25c

New Fordhook Mammoth Verbena. They are of very large size, being frequently larger than a silver quarter, in fact, many are scarcely covered by a silver half-dollar. Pkt. 10c; 3 for.25c



Verbena Compacta.



Echinocystis Lobata.

VIOLET.

(Viola Odorata.)

The Violet should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. They are well adapted for border or rock work. Succeeds best in a shady, sheltered place, and can be easily increased by dividing the roots. H. P. 6 inches.

Blue Sweet Violet. Pkt.10c
Single White. Very fragrant. Pkt.10c

WALL FLOWER.

(Cheiranthus Cheiri.)

Well known deliciously fragrant garden plant, blooming early in the spring, with large conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter and planted out in May. H. H. P.

Single Large Flowering, Mixed. All colors. Pkt. 5c
Finest Double Large Flowering, Mixed. All colors. Pkt.10c



Double Wallflower.

WILD CUCUMBERS.

(Echinocystis Lobata.)

This is the quickest growing climber on our list. Grows wild, self sown, in many parts of the West. It will grow 10 feet in one season. -It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For trellis or pillar no annual vine is more chaste, and it will quickly cover any old tree, or an unsightly building. H. A. C. ½ oz. 15c; pkt.5c

VINCA, OR PERIWINKLE.

Handsome bushy plants, producing freely round single flowers, 1½ inches across, suitable for either pot culture or sunny beds; tender perennial, but flowers the first season. T. P. 1½ feet.

Rosea Alba. White, with rose eye. Pkt.5c
Rosea. Bright rose. Pkt.5c
Mixed. Pkt.5c

ZEA MAIZE.

(Striped Japanese Corn.)

An ornamental foliage plant of much beauty. It is a species of corn, the leaves being beautifully striped with white and green. H. H. A.

Zea Japonica. Striped foliage. 6 feet. Pkg.5c

ZINNIAS.

One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form, moderate sized Dahlias. H. A.

Large Flowering Dwarf Double, Mixed. Useful for beds or borders. Height 1½ feet. Oz. 40c; pkt.5c

New Giant Mixed. Flowers perfectly double, measuring 5 to 6 inches in diameter, colors brilliant. Height 3 feet. ¼ oz. 30c; pkt.10c

Haageana (Mexican Zinnia). Grows erect in bush form to a height of 12 inches. Flowers of a bright golden yellow, 2 inches in diameter. ¼ oz. 20c; pkt.5c

Tall Annuals, Mixed. Oz. 30c; pkt.25c
Dwarf Annuals, Mixed. Oz. 40c; pkt.5c

EVERLASTING FLOWERS.

Flowers should be cut when freshly opened, tied in small bunches and dried slowly in a cool, shady place, with the flowers downward to keep the stems straight.

Acroclium, Mixed. Of dwarf-branched growth with silvery foliage; small rounded, clover-like flowers of pure white and rose-pink coloring. H. H. A. Oz. 25c; pkt.3c

Alamobium. Erect branching plants 2 feet in height, with curiously winged stems surmounted by branching heads of small, pure white flowers with bright yellow center. H. H. P. Oz. 30c; pkt.3c

Gomphrena, Mixed. Free-flowering plants 2 feet in height, producing small globe-shaped double flowers in bright colorings. H. H. A. Oz. 25c; pkt.3c



Xeranthemum.



Violet.

Helichrysum. These are the finest of all Everlastings. They resemble a freshly opened Aster in form and flower in many bright colors. H. A. Oz. 40c; pkt.5c

Rhodanthe, Mixed. Tender annuals 15 inches in height with erect-branched stems and numerous flower-heads on slender stalks. These vary from pale rose to deep purple. H. H. A. Oz. 90c; pkt.5c

Xeranthemum. Double flowers in varied colorings. Showy as a summer-flowering annual as well as desirable for the dried flowers. H. A. Oz. 50c; pkt.5c

EVERLASTING COLLECTION.

Six Packets, one of each, for.20c

ORNAMENTAL GRASSES.

Ornamental Grasses should be cut off when freshly opened (before seed forms) and slowly dried in a cool place.

Agrostis Nebulosa. Small growth with slender leaves and finely branched feathery sprays; only 10 inches in height. H. A. 1 foot. Oz. 60c; pkt. 5c.

Andropogon Argenteus. Dense flowers, very silky, with bright white hairs. H. P. 3 feet. Oz. 60c; pkt. 5c.

Avena Sterilis. (Animated Oat.) A strong-growing grass, throwing up seed spikes 2½ feet in height. These bear seed closely resembling the oat, but larger in size and having the peculiarity of hopping about if the dry seed is moistened and placed on a level hard surface. H. A. 3 feet. Oz. 25c; pkt. 5c.

Briza Maxima. (Quaking Grass.) Seeds are borne in a close thickened panicle resembling the rattle of a rattlesnake slightly in form. H. A. 1½ feet. Oz. 20c; pkt. 5c.

Coix Lachrymaria. (Job's Tears.) Thick fleshy stems 18 inches in height, with lance-shaped green leaves bearing clusters of hard seeds about the size of garden peas. H. A. 1½ feet. Oz. 30c; pkt. 5c.



Ornamental Grasses.

Elymus Hystrix. From the Crimea. Very odd. H. P. 4 feet. Oz. 50c; pkt. 5c.

Eragrostis Elegans. (Love Grass.) Very pretty, about a foot high. Fine for bouquets. H. A. Oz. 25c; pkt. 5c.

Gynerium Argenteum. (Pampas Grass.) This produces the finest dried sprays, but is not hardy in our location, plants having to be taken up and wintered in a frost-proof cellar. Farther south the plants will live out if protected during the winter months. T. P. 4 feet. Oz. \$1.00; pkt. 5c.

Hordeum Jubatum. (Squirrel-Tail Grass.) A hardy annual grass of strong growth, having large heads with quite long beard, resembling barley to a great extent. H. A. 2 feet. Oz. 30c; pkt. 5c.

Lagurus Ovatus. (Hare's-Tail Grass.) An annual variety having soft, white, silky spikes of flowers with protruding awns. H. H. A. 2 feet. Oz. 30c; pkt. 5c.

Pennisetum Villosum. Has beautiful crimson plumes. H. H. A. 3 feet. Oz. 40c; pkt. 5c.

Stipa Pennata. (Feather Grass.) Has very graceful plumes. H. P. Oz. 50c; pkt. 5c.

SPECIAL MIXTURES OF FLOWER SEEDS.

Flowers for Bouquets. This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers through the entire season. Pkt. 10c.

Wild Flower Garden. Full of daily surprises and one who has never seen such a garden cannot form any idea of its possibilities. Nothing in the way of flowers delights children more than this "Wild Garden," chiefly because they can be allowed to pick their own bouquets without stint. Pkt. 10c.

Mixture of Climbers. A packet of seeds containing over twenty beautiful annual climbers, for covering outhouses, trellises, etc. Pkt. 10c.

Mixed Everlastings. A great variety of attractive Everlastings. Pkt. 10c.

Mixed Ornamental Grasses. Very pretty for making winter bouquets and in decorating. Should be cut while fresh and green and hung in a dry and airy place in the shade to dry. Pkt. 10c.

FLOWER SEED COLLECTIONS.

No. 1—25c Postpaid.

Alyssum,
Candytuft,
Dianthus,
Gourds,
Mignonette,
Poppy,
Scabiosa,
Sweet Peas.

No. 2—50c Postpaid.

Asters,
Alyssum,
Candytuft,
Chrysanthemum,
Gourds,
Larkspur,
Mignonette,
Pansies,
Poppies,
Portulaca,
Scabiosa,
Sweet Peas,
Verbena,
Wallflower,
Zinnia.

TREE AND HEDGE SEEDS.

Culture: Sow early in spring, in well prepared beds, about two inches deep. When the seeds begin to germinate cover the beds lightly with pine boughs to shade the young plants from the sun. When the plants are all up, the brush should be gradually removed, but replaced before winter sets in. Let plants remain in beds for about two years, then transplant into rows about two feet apart, leaving twelve inches between each plant. Keep ground clear, and when plants are strong enough remove to their intended place.

ENGLISH NAME.	LATIN NAME.	Per Pkg	Per Oz.	Per ¼ lb.	Per 1 lb.	ENGLISH NAME.	LATIN NAME.	Per Pkg	Per Oz.	Per ¼ lb.	Per 1 lb.
EVERGREENS.						DECIDUOUS.					
Cypress.....	Cypressus.....	\$0.05	\$0.30	\$0.90	\$3.00	Tree of Heaven....	Alianthus Glandulosa.	\$0.05	\$0.10	\$0.20	\$0.60
European Juniper.....	Juniperous Communis.	.05	.10	.40	1.00	Box Elder.....	Acer Negundo.....	....	.05	.15	.35
Blue Spruce.....	Picea Pungens.....	.10	.30	.90	3.00	Sugar Maple.....	Acer Sacharinum.....	.05	.10	.30	1.00
Douglas Spruce.....	Picea Douglasii.....	.10	.30	.90	3.00	European Birch.....	Betula Alba.....	.05	.15	.40	1.50
Norway Spruce.....	Picea Excelsia.....	.05	.15	.40	1.25	Catalpa.....	Catalpa Speciosa.....	.05	.10	.30	.90
Silver Fir.....	Picea Taxifolia.....	.05	.20	.50	1.50	European Ash.....	Fraxinus Excelsior.....	.05	.10	.35	1.00
Austrian Pine.....	Pinus Austriaca.....	.05	.20	.60	2.00	White Mulberry.....	Morus Alba.....	.05	.20	.60	2.00
Scotch Pine.....	Pinus Sylvestris.....	.05	.20	.60	2.00	Black Mulberry.....	Morus Nigra.....	.05	.20	.60	2.00
White Pine.....	Pinus Strobus.....	.05	.25	.85	3.00	Eu'pean Basswood.....	Tilla Europaea.....	.05	.10	.30	1.00
SHRUBS.						HEDGE.					
White Fringe.....	Chionantus Virginica.	.05	.20	.60	2.00	Hawthorne.....	Crataegus Oacantha.	.05	.15	.50	1.50
Gold Chain Tree.....	Cytissus Laburnum.....	.05	.15	.45	1.50	Dog Rose or Briar.....	Rosa Canina.....	.05	.10	.25	.75
Lilac.....	Syringe Vulgaris.....	.05	.20	.60	2.00	Honey Locust.....	Gleditshia Triacanth.....	.05	.10	.20	.50
Whin or Furze.....	Ulex Europaeus.....	.05	.15	.40	1.35	Buckthorn.....	Rhamus Catharticus.....	.05	.20	.60	2.00
Snowball.....	Viburnum Opulus.....	.05	.25	.90	3.25	Acacia.....	Robina Pseudacacia.....	.05	.10	.20	.65

DAHLIAS.

NOVELTIES OF SPECIAL MERIT.

- Blue Oban.** (Decorative.) The only blue Dahlia, very handsome.
- Britannia.** (Cactus.) Deep shade of salmon flesh.
- Countess of Lonsdale.** (Cactus.) A pleasing blend of amber and salmon-pink.
- Rosine.** (Cactus.) Glowing crimson with purple shadings.
- Galliard.** (Cactus.) Rich glowing crimson.
- Gen. Buller.** (Cactus.) Cardinal red with crimson shadings, petals tipped with white.
- Iona.** (Cactus.) A rich terra cotta, shading to orange.
- Mrs. Winters.** (Decorative.) Large, pure snow white.
- Krimhilde.** (Cactus.) Shell pink, shading to white in center.
- Rosenhagen.** (Cactus.) A pleasing shade of salmon-rose, deepening to magenta at the edges.
- Lucy Fawcett.** (Fancy.) Sulphur-yellow, striped and spotted carmine-rose.
- Vulker.** (Cactus.) A charming free flowering pure yellow.
- Wm. Fawcett.** (Fancy.) Pleasing shades of cream, peach and purple.
- Glowing Beauty.** (Semi-double.) One of the finest single, crimson, penciled white.
- Twentieth Century.** (Single.) Intense rosy-crimson, tipped with white and having a white band around the disk.
- Price of the above named Novelties, Each 25c; dozen \$2.50, postpaid.



STANDARD DAHLIAS.

Each 15c; Dozen \$1.50, Postpaid.

- A. D. Livoni.** (Snow.) A beautiful soft deep pink, one of the best.
- Princess Bonny.** (Show.) Free flowering, creamy white.
- Sidney Hillings.** (Show.) Bright red, very effective.
- Burleigh.** (Fancy.) Crimson, dotted white.
- Fern-Leaved Beauty.** (Fancy.) Beautiful fern-leaved sort, white, striped deep crimson.
- C. W. Bruton.** (Decorative.) The standard yellow dahlia.

- Zulu.** (Decorative.) The black dahlia.
- Nymphaea.** (Decorative.) The water-lily dahlia, shell pink changing to white in center.
- Catherine.** (Pompon.) A beautiful yellow dahlia.
- Little Herman.** (Pompon.) Deep red, striped white.
- Thos. Lisbon.** (Fancy.) Purplish pink changing towards center to white.
- Falma.** (Single.) Bright radish pink, blended white.

GLADIOLI.

The Gladiolus is unquestionably the peer of all the summer-flowering bulbs. Nothing can surpass the stately grandeur of their magnificent spikes of flowers. They are of the most varied colors. Plant in May and June in any good garden soil, 6 inches apart and 4 inches deep.

	Each.	Doz.	100.
Pink Shades	\$0.05	\$0.35	\$2.00
Striped and Variegated.....	.05	.50	3.50
Scarlet and Red Shades.....	.05	.35	1.50
Yellow Shades .....	.05	.50	3.50
White and Light Shades.....	.05	.50	2.50
All Colors Mixed.....	...	.30	1.75

Special offer of the above 5 shades, 1 dozen each, all separate, by mail, for \$2.35.

TUBEROSES.

One of the most charming and fragrant of our summer flowering bulbs. Plant in the open ground during May. By starting in pots during March, a succession of bloom can be had all summer.

Excelsior Pearl Bulbs. First quality, by mail, each 5c; per doz. 35c; by express, purchaser paying charges, per doz. 25c; per 100 \$1.75.

LILIES.

Plant in a well-drained good garden soil, covering the bulbs to a depth of nine inches. At the time of planting cover all sides of the bulb with good, clean sand, after which fill up with ordinary soil.

Auratum (Gold Banded Japan Lily). Flowers pure white; gold band through center of petal; beautifully spotted chocolate crimson; June to October. Large bulbs, each 20c; per doz. \$1.60 postpaid.

Speciosum Album. White Japan Lily, extra large bulbs, each 25c; per doz. \$2.25, postpaid.

Speciosum Roseum (Rubrum). Rose Spotted Japan Lily. Large bulbs, each 10c; per doz. \$1.60, postpaid.

One bulb each of the beautiful Lillies Auratum, Roseum and Album, 3 in all, Free by Mail, for 50c.

MADEIRA VINE ROOTS.

The Madeira Vine is a popular and favorite tuberous-rooted climber of rapid growth, with dense and beautiful foliage, twining to a great height. Strong tubers, each 6c, 3 for 15c; per dozen 50c, postpaid.

CALADIUM ESCULENTUM.

"Elephant Ears." This splendid foliage plant adds greatly to the beauty of the lawn or garden by its immense tropical-like foliage. Plants attain a height of from 4 to 6 feet. Large bulbs, each 20c; per doz. \$2.00; by mail, 10c each extra.

CINNAMON VINE ROOTS.

The vines often run 25 feet or more, and when trained over and about a door or window make an ornament much admired. One large root, or tuber, 10c, 3 for 20c, 12 for 65c, postpaid.



Gladiolus.

HARDY PERENNIAL PLANTS.

Plants of this class are perfectly hardy in the open ground; they die down to the ground, but only to the ground, in the winter; once planted they are a lasting pleasure. Failure with them is practically impossible. Orders should reach us by April 15th, though in some seasons we can continue to supply this stock up to May 1st.

Price of any plant on this page, except where noted is 15c each, per dozen \$1.50, postpaid. They are all field grown roots, but if you want them shipped by express at your expense, we can ship larger roots for the same price. Remember, that those sent by mail are no little tiny clips.

ACHILLEA, THE PEARL.

One of the very best white flowering plants for the border. The flowers are borne in the greatest profusion. Pure white in color, somewhat resembling Pompon Chrysanthemums. Good for cutting.

BLEEDING HEART.

(Dientra Spectabilis.)

An old-fashioned favorite, its long racemes of graceful heart-shaped pink flowers are very attractive. It is used largely for forcing and is perfectly at home in any part of the hardy border.



Bleeding Heart.

BURBANK'S NEW "SHASTA DAISY."

The new Shasta Daisies often measure four and five inches across and are borne on stems two to three feet long. They succeed anywhere and in hot and cold locations, blooming throughout the season in great profusion.

DAISY GIANT OX EYE.

Grows 4 feet high and is covered with a multitude of large white daisy-like flowers.

GAILLARDIA KOERNERI.

One of the showiest and most effective hardy plants, growing about 2 feet high and succeeding in any soil in a sunny position; beginning to flower in June, they continue the entire season. The large flowers are of gorgeous coloring which is of a rich deep red with a small edge of yellow on the ends of the petals. 25c each, postpaid.

HEMEROCALLIS FULVA.

(Orange Lily.)

A very free flowering orange colored lily-like flower.

HEMEROCALLIS FULVA FL. PL.

(Double Orange Lily.)

The same as the above in double flowers.

JAPANESE IRIS.

(Iris Kaempferi.)

These magnificent Iris are among the most beautiful of our summer-flowering plants, and are destined to become more popular every season. They commence blooming about the middle of June and continue in bloom for five or six weeks. Many of these flowers measure from ten to twelve inches in diameter, and rival the Orchids in their rich colorings and markings. Each 2c; 3 for 55c; 6 for \$1.00, postpaid.

POMPON IRIS.

An elegant plant for borders, only 6 inches high and of a deep blue color. Each 10c; doz. \$1.00, prepaid.

KLONDIKE PRIMROSE.

A very free flowering plant, is covered from top to bottom with bright sulphur-yellow flowers.

LILY OF THE VALLEY.

The exquisite white flowers and pale-green foliage render this one of the most admired of plants. Succeeds in open ground in almost any situation, but prefers shade with plenty of moisture. 6c each; 6 for 30c; 12 for 50c, postpaid.

RUDBECKIA.

(Cone-Flower.)

Golden Glow. We question if any one hardy perennial plant has ever met with greater popularity than this. It is a strong, robust grower, attaining a height of 5 to 6 feet, and produces masses of double golden-yellow Cactus Dahlia-like flowers from July to September.

Purpurea (Giant Pink Daisy.) Flowers 4 inches across, pinkish purple, with a large cone-shaped center of brown. 3 feet high.

Nitida (Autumn Sun.) A single-flowering sort, bright primrose-yellow. 5 to 6 feet high. Produces flowers lavishly from August to October. 25c each, postpaid.

HARDY PERENNIAL PHLOX.

Among hardy herbaceous plants none are more gorgeous and more easily grown than these. They are perfectly hardy, succeeding in any garden soil, and producing magnificent spikes of showy and lasting flowers year after year with comparatively little care. The varieties we offer are among the finest in cultivation and comprise the best and most distinct colors.

Cross of Honor. White, with band of rosy lilac in center of each petal, forming a Maltese Cross.

La Solein. Bright rose with crimson eye.

Prof. Schlieman. Bright lilac-rose with crimson eye.

Richard Wallace. White with pale pink eye.

Salmon Queen. A rich deep salmon with crimson eye.

White Beauty. Large pure white.



Perennial Phlox.

ROSES AND FLOWERING PLANTS.

All plants sent out are as large as can be safely packed and sent by mail. Notwithstanding the large number of plants which we have forwarded in mail bags, no complaint has ever reached us with regard to the size of the plants. The instances have been rare when packages went astray or arrived other than in good order.

Postage Paid At prices given we mail all plants (except such as from their size or otherwise are unavailable, and so stated) and prepay the postage, thus making delivery to your postoffice—often to your door.

How to Order We would consider it a favor to have orders for plants written either on the back of our order sheet or on a separate slip. When mixing up among seeds a delay is caused in the execution of your order.

ROSE COLLECTION.

When Ordering Simply Give Name of Collection.



THREE SOUPERT ROSES. 25c Postpaid.

Clothilde Soupert. The best rose known for bedding and pot culture; color a French white, deepening to a rosy-blush in the center.

Mosella (Yellow Soupert). A dwarf bushy grower, flowers very double and of camellia-like form.

Pink Soupert. A lovely ever-blooming rose, perfectly full and double, color fine rose-pink.

THE "EVERBLOOMING LA FRANCE"

COLLECTION.

Four Beauties for 35c Postpaid.

La France (Pink La France). The sweetest of all Roses, perfect, full, globular flowers; silvery rose, passing to pink.

Duchess of Albany (Red La France). Like its famous parent except in color, which is three or four shades darker, a wonderful deep rose pink.

Champion of the World. Flowers of large size; color a deep pink; one of the best for outdoor cultivation.

Princess Bonnie. A rich, deep crimson. Its fragrance is as delicate as that of La France.

"TWENTIETH CENTURY" COLLECTION.

Five Magnificent New Roses for 50c Postpaid.

Clio. The finest flesh colored hybrid perpetual. The flowers are simply perfection in form with fine broad petals, and are beautiful at all stages of development.

Margaret Dickson. The flower is of magnificent form, very double. Color is waxy white.

Fran Karl Druschki. Snow Queen or White American Beauty. (Hybrid Perpetual.) Strong growing, branching freely; it has the hardiness of an oak. Flowers of immense size. Snow white.

Mrs. R. G. Sherman Crawford. Color is a deep rich pink, outer petals tinted with pale flesh; flowers are large, full, very fragrant and unique.

Marchioness of Lorne. Large, full cup-shaped, buds long and handsome, rich shining rose color with vivid carmine; hardy, fragrant.

Any of the above, each 12c; 3 for 32c; 5 for 50c.

THE "INTERNATIONAL" COLLECTION.

Six Superb Roses for 50c Postpaid.

Etoile de France. A grand, new, velvety crimson Rose, hardy and everblooming. The flowers are very large; color, superb velvety crimson, the center of the bloom a vivid cerise.

Etoile de Lyon. This magnificent Tea Rose is a rich golden-yellow, a strong, healthy and vigorous grower, immense bloomer, bearing flowers and buds early and late. The flowers are very deep, rich and full, excellent substance, very sweet.

Gruss an Teplitz (Greeting from Teplitz). Splendid new red Everblooming Rose. This, the reddest of all red roses, is to the amateur, who has no greenhouse and depends on his garden for flowers, one of the most important varieties yet introduced.

Kaiserin Augusta Victoria. This beautiful Rose has not only a royal name, but is a royal Rose as well. Color, pure white, very double.

Killarney. Flowers are rich, rosy pink and very large. Plant: A vigorous grower, free bloomer, and entirely hardy in vicinity of New York City or farther South.

Wellesley (Hybrid Tea). A seedling of "Liberty," crossed with "Bridesmaid," retaining the form of "Liberty" with the fullness of "Bridesmaid," and in color is a beautiful shade of pink.

THE "WEDDING BELLS" COLLECTION.

25c Postpaid.

Three Superb Everblooming Roses—White, Pink and Red. The Finest of All for Cut Flowers.

The Bride. White Tea Rose. This is decidedly the most beautiful white Tea Rose. The flowers are very large and double, on long stiff stems of fine texture and substance.

Bridesmaid. Pink Tea Rose. The bud is of exquisite shape and contour, so solid and firm, and the stems are so long and stiff that no other rose will compare with it in keeping qualities after being cut.

Richmond. The everblooming Gen. Jacqueminot. This new Hybrid Tea Rose is one of the most valuable introductions of recent years. Its scarlet-crimson flowers are borne on fine, long stems.

THE "EXHIBITION" COLLECTION.

Four Hardy Pink Roses for 40c Postpaid.

Anna De Diesbach. Bright carmine, sweet.

Mme. Gabriel Luizet. A clear rose, shaded lavender and pearl.

Magna Charta. Dark pink, double and full.

Mrs. John Laing. Immense flowers. Double clear bright shining pink.

Any of the above, each 12c; 3 for 32c; 6 for 60c.

THE "IN REMEMBRANCE" COLLECTION.

Three Hardy White Roses for 30c Postpaid.

Coquette Des Alps. White, tinged blush, fine.

Coquette De Blanches. White, tinged with pink, free flowering.

Madame Plantier. Pure white, a profuse bloomer. This is a splendid cemetery rose, unlike the other varieties it should never be pruned.

Any of the above, each 12c; 3 for 32c; 6 for 60c.

THE "BIG FOUR" COLLECTION.

Four Hardy Red Roses for 40c Postpaid.

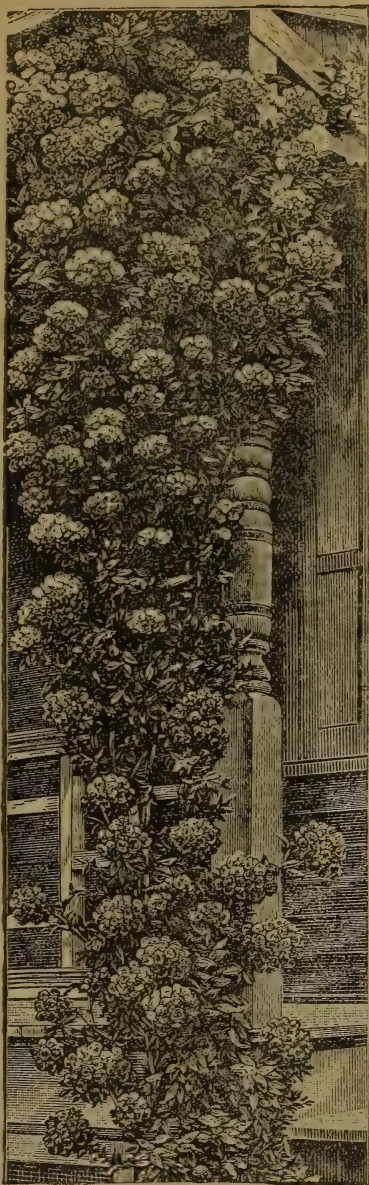
Alfred Colomb. Crimson, large, fragrant flowers.

Gen. Jacqueminot. Bright crimson. A universal favorite.

Gen. Washington. Red, shaded with crimson, flower flat.

Ulrich Brunner. Cherry red flowers, beautifully shaped buds.

Any of the above, each 12c; 3 for 32c; 6 for 60c.



Crimson Rambler.

FIVE ROYAL RAMBLER ROSES.

12c Each, or One of Each, Five in All, for 50c, Postpaid.

Crimson Rambler. An exceedingly vigorous, rapid grower, making shoots 10 to 20 feet in height in one season. When pegged down or grown as a bush it is equally desirable, producing in marvelous profusion large trusses of flowers. Color, a rich glowing crimson.

Helene. A seedling from Crimson Rambler. Makes a growth of 10 to 15 feet in a season. Foliage similar to Crimson Rambler, but less subject to mildew and insect attacks. Color, soft violet rose, almost bluish, base of petal yellowish white. The buds are carmine, finely massed, and are borne 20 to 25 in a cluster.

Philadelphia. It blooms in grand clusters. Flowers 2 to 2½ inches across, perfectly double to the center; excellent substance and very durable. Color pure deep rich crimson, far brighter and more intense than any other rose of its class; perfectly hardy.

White Rambler, (Thalia). This charming new rose of the Rambler variety is a wonder. It climbs rapidly, is entirely hardy, produces immense clusters of pure white roses, nearly double.

Yellow Rambler, (Agalia). The Yellow Rambler has been found to successfully withstand, without protection, a continued temperature of from zero to two degrees below.

THE "TRIPLETS" COLLECTION.

Three Baby Roses for 35c; Each 15c, Prepaid.

Baby Rambler. It is a dwarf, erect-growing Rose, forming a bush about two feet high when fully grown, and is a true everbloomer, producing splendid clusters of beautiful rich crimson flowers during the whole growing season, when planted outdoors. The flowers are borne in elegant clusters; as many as 30 and 40 flowers to a cluster. Baby Rambler is a superb Rose for pot culture.

Baby Dorothy. Is a splendid companion to the Baby Rambler, the only difference is in color of the flowers, which is a bright rosy-pink. As a pink bedding rose it has no equal.

White Baby Rambler. Has the same habit of growth and freedom of bloom as the two other Baby Roses.

TWO VALUABLE NEW CLIMBING ROSES.

Each 15c; 2 for 25c, Postpaid.

Tausendschoen (Thousand Beauties). This beautiful Novelty surpasses all other Climbing Roses in growth and beauty of blooms. Each flower measures 2 inches across and is of a beautiful soft pink. The plant is of strong vigorous growth and absolutely hardy.

Alberic Barbier. The flowers are rich deep yellow in the bud, changing as they grow older to a creamy white with canary yellow center. Semi-double or double, 2½ to 3½ inches across, very sweetly scented, of strong growing habit.

HARDY CLIMBING ROSES.

12c each; 3 for 30c; postpaid. One of each, seven in all, for 65c, postpaid.

Lady Gay. A perpetual source of wonder, yielding huge trusses of pink flowers.

Hiawatha. Flower of a striking ruby-crimson with white centers. The blossoms are single, but are so freely produced as to completely cover the plants.

Minnehaha. A charming double satiny-pink flowering Rambler. Flowers borne in large clusters, foliage very glossy.

Baltimore Belle. Pale blush, variegated carmine, rose and white; very double; flowers in beautiful clusters, the whole plant appearing a perfect mass of bloom; one of the best climbing roses.

Dorothy Perkins. The new hardy climbing Rose. It is justly called the "Pink" Crimson Rambler and is a beautiful companion to this well known favorite. This lovely Rose is the latest addition to our splendid list of Hardy Climbing Roses.

Queen of the Prairies. Clear, bright pink, sometimes with a white stripe, large, compact and globular, very double and full; blooms in clusters, one of the finest.

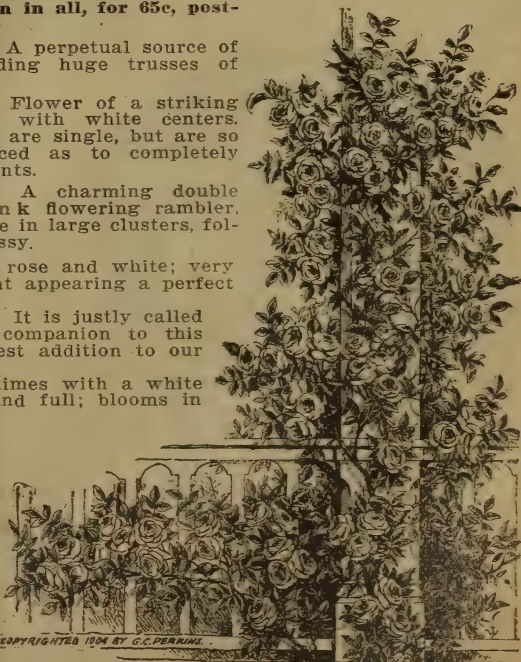
MOSS ROSES.

Blanche Morrean. This fine variety is highly recommended; flowers are produced in clusters, and are large, full and sweet; the color is pure white.

Crimson Globe. A fine deep crimson, the flowers having the handsome globular shape characteristic of the H. P. varieties. Buds well mossed.

Princess Adelaide. One of the best; extra large flowers; very double and fragrant; buds beautifully mossed; color bright rosy pink.

Price of Moss Roses, each 15c. Three (one of each), for 40c.



Baltimore Belle.

HOUSE AND BEDDING PLANTS.

ASPARAGUS PLUMOSA.

(Climbing Lace Fern.)

An exceedingly beautiful plant for house or conservatory, and will thrive nicely in the temperature of an ordinary living room. Entirely unequalled for grace and beauty of its lovely spray-like fronds. Each 15c; 3 for 40c, postpaid.

ASPARAGUS SPRENGERII.

(Emerald Feather Asparagus.)

This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. It makes a charming ornamental plant for the window or conservatory in winter, and is equally valuable for vases, baskets, porch-boxes in summer. Each 15c; 3 for 40c, postpaid.

NEW CANNAS.

Price for dormant roots, 15c; 3 for 40c; dozen for \$1.50, postpaid. Can be furnished up to about May 1st.

Allemanina (4-6 ft. high). Rich orange red with golden-yellow border dotted with orange-red spots.

Betsy Ross (3 ft.). Rose pink.

David Harum (3-3½ ft.). Strong, dark bronze growth; one of the freest blooming cannas of its type; bright orange-scarlet.

Dr. Nansen. Clear deep yellow.

Florence Vaughn (3-4 ft.). Golden yellow, spotted with crimson.

Gladiator (5-6 ft.). Very effective on account of its tall growth and its striking yellow flowers, marked with crimson dots.

Louisiana (6-7 ft.). Brilliant scarlet.

Mont Blanc (3-4 ft.). Snow-white. 30c each.

Papa Nardy (3-4 ft.). Large, broad-petaled flowers, rosy red to cerise.

NEW CARNATIONS.

Boston Market. A remarkably free flowering white variety. By commercial growers in many sections it is being grown to the exclusion of all other varieties.

Cardinal. A bright crimson with flowers of an enormous size. This new Carnation has taken several prizes in the latest shows.

Eldorado. Light clear yellow, petals edged with a narrow band of light pink. A strong, vigorous grower with fine healthy foliage.

Enchantress. This is truly a queen among carnations. The color is a beautiful shade of light silvered pink, deepening toward the center. The flower is enormous—three and a half to four inches in diameter.

**NEW CARNATIONS.**

G. H. Crane. Color, a flaming scarlet. Growth strong and hardy. Fine large flowers on strong, stiff stems.

Lady Bountiful. Pure white, 3½ inches across stems, 24 inches high, plants in bloom the whole season.

Mrs. Thomas Lawson. Is said to have been sold for thirty thousand dollars. The size is enormous, stems stiff. Color a true pink.

Queen Louise. Best pure white carnation, is a great summer bloomer, producing large flowers the entire season.

Each 12c; 3 for 30c.

THE PREMIER QUARTET OF CARNATIONS.

40c Postpaid.

G. H. Crane. The best red.

Mrs. Thos. Lawson. The best pink.

Boston Market. The best white.

Eldorado. The best yellow.

NEW CHRYSANTHEMUMS.

Black Hawk. The largest and most beautiful dark crimson-scarlet yet introduced. Looks like crimson velvet; the very shade so much desired in Chrysanthemums.

Col. D. Appleton. After thorough tests this new Chrysanthemum has proved to be one of the finest yellows ever sent out. It is an ideal exhibition variety, with flowers of immense size, measuring 22 inches in circumference and of great depth.

George W. Childs. The flowers are of massive size, reflexed with broad, stiff petals; color deep, rich, velvety crimson, with no shade of brown or chestnut.

Glory of the Pacific. This fine variety will rank as the very best of early pink sorts. It is of magnificent size and depth, with broad petals. The plant is of dwarf, compact growth.

Maud Dean. An immense pink variety; finely incurved; petals broad, shell-shaped. One of the largest flowers exhibited in the fall shows. Almost a pure shell pink.

Major Bonafon. Color, soft, clear yellow, very full globular-shaped flower, 6 to 7 inches across.

Mrs. Henry Robinson. In the entire Chrysanthemum family there is no grander white variety; it is of the most popular style—immense incurving, broad-channeled petals and the purest white.

Mrs. Jerome Jones. Large creamy-white incurved Japanese somewhat showing a tinge of pink; high, round flower. One of the best Chrysanthemum flowers up to date.

Price of Chrysanthemums, 12c each; 3 for 30c, prepaid.

THE BIG FOUR OF CHRYSANTHEMUMS.

40c Postpaid.

Glory of the Pacific. The best pink.

Black Hawk. The best red.

Major Bonafon. The best yellow.

Timothy Eaton. The best white.



GERANIUMS.

The improvement in the Geranium, both in the size of the individual flower and the truss, is wonderful when compared with the flower of a dozen years ago.

Price, 12c each; 3 for 30c, postpaid.

DOUBLE.

Beaute Poitevine. Best salmon geranium for bedding purposes; most profuse bloomer of all geraniums. Largest size trusses, borne on long foot stalks; florets very large, of a beautiful, brilliant salmon.

Countess of Harcourt. Pure snow white. A grand bedder. Florets large and beautifully formed. Extremely free in bloom, forming a bank of white.

Jean Viaud. A great favorite as a bedding and pot plant. The flowers are simply immense in size, borne on long, strong stems well above the foliage. The color is a clear rosy pink with a distinct white eye, flowers semi-double.

S. A. Nutt. The best crimson bedding geranium. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety. As a pot plant it cannot be excelled.

SINGLE.

Clyde. A sprout from Mrs. E. G. Hill, in every respect like its parent, except color, which is pure scarlet. Floret $2\frac{1}{2}$ to 3 in. in diameter. Trusses 14 to 16 in. in circumference. A grand bedder, also a fine pot plant.

L'Aube. Enormous size trusses large round florets, pure snow-white, retaining its pureness the entire season.

Mrs. E. G. Hill. For those unacquainted with the variety, we would say it is a most distinct and pleasing shade of salmon, with light shading to the center. The finest-salmon-flowered geranium to date. One of the freest bloomers, continually covered with flowers.

Rose-Scented Geranium. A favorite old plant quite indispensable for the window gardens. Grown for the delightful fragrance of its foliage and most useful in making bouquets.

Ivy-Leaved Geranium. Galilee. Should be planted even more than at present for there is nothing more desirable for baskets, vases, or for any purpose where a trailing or climbing plant may be used. Rich, deep pink; large flowers of good substance and not only flowers in summer but it makes a beautiful plant for the window in winter.

HELIOTROPE.

One of the finest class of plants for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants.

Madame Brunt. One of the finest varieties. Plant of dwarf habit and vigorous grower.

Snow Wreath. The nearest approach to pure white yet attained, a splendid bedding sort. Each 12c; 3 for 30c, postpaid.



Coleus.



Geranium.

SALVIA.

Also known as flowering sage, growing about 2 to $2\frac{1}{2}$ feet high and 2 feet through, producing through the entire season its brilliant spikes of flowers, which are borne well above the foliage.

Splendens. A brilliant scarlet.

Each 10c; 3 for 28c, postpaid.

COLEUS.

We offer a very fine variety of Coleus and they are delicate colors very hard to describe in the various tints.

Golden Bedder. Deep golden yellow variety.

Fire Brand. Dark crimson, shaded garnet; a fine bedder.

Verschafeltii. This is one of the best for bedding having a rich velvety, crimson foliage.

Queen of the West. Leaf large and slightly serrated, band of yellow green with margin of yellow, center wedge creamy white.

Any of the above, each 12c; 3 for 30c, postpaid.



Salvia Splendens.

FUCHSIA.

SINGLE.

Little Beauty. A perfect gem; marvelously free-flowering. Flowers $1\frac{1}{2}$ inches long; bright red tube and sepals; corolla rich purple.

Black Prince. Blossoms of a beautiful waxy-carmine or pink color; it makes a shapely bush, is robust in growth.

DOUBLE.

Gigantea. The tube and sepals carmine; corolla a beautiful shade of light magenta.

Mrs. E. G. Hill. The most perfect double white Fuchsia yet introduced. Tube and sepals bright reddish crimson, contrasting with the large, pure white corolla to great advantage.

Phenomenal. Sepals bright carmine; corolla violet-purple, flowers large.

Glaire des Marches. The finest double white Fuchsia; makes a neat compact plant, branches freely.

Any of the above, each 12c; 3 for 30c, postpaid.

PETUNIA.

Plants of the earliest culture, producing flowers in great profusion. Excellent for bedding and pot culture. They are among the most desirable plants we have. Our collection embraces a number of beautiful colors.

Double Crimson.

Double Pink.

Double Maroon.

Double White.

Double Variegated.

Each 12c; 3 for 30c, postpaid.

UMBRELLA PLANTS.

(Cyperus Alternifolius.)

This plant is of the easiest culture and a large specimen is as handsome as a palm for decoration. It makes a handsome pot plant, or it can be used in baskets or vases, making a charming effect.

Each 12c; 3 for 30c, postpaid.

**ALTHEA (Rose of Sharon).**

The Altheas are fine, free-growing, flowering shrubs of the easiest cultivation. They produce a profusion of pretty rose-like flowers during August and September, when other flowers are scarce. The diversity of color of the different sorts makes it possible to use them in considerable quantities even in grounds of small extent. They make very pretty flowering hedges.

Double red, double purple, double white.
Price, 12c each; the three (one of each) for 30c, postpaid.

BUSH HONEYSUCKLES.

Red Tartarian. Well known and popular shrub for the lawn or garden. Blossoms in May and June.

White Tartarian. Like the preceding, but with white blossoms.

12c each; the two for 20c, postpaid.

HARDY CLIMBING VINES.**AMPELOPSIS.**

(Boston Ivy, Japanese Woodbine.)

The NEW AMPELOPSIS. Ampelopsis Veitchii Robusta Purpurea. The leaves have a blue-purple tinge with a shining gloss finish, having all the other characteristics of the well known Boston Ivy. It will make double the growth of the Veitchii and stands our winters better. Price, 12c; 3 for 30c, postpaid.

CLEMATIS.

The Queen of Climbing Plants.

They may be planted at any time. The ground should be dug deeply and well manured.

Madame Edward Andre. Also of the Jackmanni type and is the nearest approach to a bright red that has yet appeared. The flowers are very large, usually six petaled.

Madame Baron-Vellard. Resembles the popular Jackmanni in habit and make-up, except that its flowers are a lively, satiny lavender-pink.

Jackmanni. The flowers are large, intense, rich, velvety violet purple, and are produced in such masses as to form a cloud of bloom.

Henryi. A vigorous grower producing large, pure white flowers.

Paniculata. Small pure white flowers, borne in great masses.

Duchess of Edinburgh. One of the best double white, of vigorous habit, very free of bloom and deliciously fragrant.

Ramona. Lavender blue, flowers large, often nine inches across. Most beautiful of its color yet known.

Price of Clematis: 15c each; 3 for 35c; the 7 varieties, 1 of each, 80c, postpaid.

HARDY ENGLISH IVY.

A hardy, evergreen, climbing vine, with dark glossy green leaves. Useful for covering walls of churches, etc., and for cemetery work in covering graves, especially if in the shade where grass will not succeed very well. Each 12c; 3 for 35c.

HARDY FLOWERING SHRUBS.

Shrub orders must reach us not later than April 15th, as the plants will commence growing soon after that date and then could not be successfully handled.

Hydrangea, Paniculata Grandiflora.

(The Hardy Hydrangea.)

One of the finest hardy shrubs ever introduced, and in size and magnificence of bloom not excelled by any shrub in cultivation. The bush in time attains a large size, growing in beauty year by year. Each 10c; 3 for 27c, postpaid.

Everblooming Snowball Hydrangea.

A New and Valuable Hardy Shrub.

Few of our native garden shrubs are so attractive in habit and elegance of foliage. The flower is very like the Greenhouse Hydrangea and pure white. 18c each, 3 for 50c, postpaid.

SPIREA.

Bumalda. Dwarf. Rose colored.

Callosa Alba. Dwarf. Color white.

Prunifolia. (Bridal Wreath.) Double, pure white.

Anthony Waterer. Bright crimson.

Van Houttei. A pure white.

Each 12c; all 5 for 50c, postpaid.

SYRINGEA.

Garland. Pure white. Flowers highly scented.

Aurea. (Golden.) Has golden yellow foliage.

Each 12c; 3 for 30c, postpaid.

WEIGELIA.

A strong vigorous growing shrub for single lawn specimens or for massing with other varieties.

Candida. Light green foliage, snow white flowers.

Eva Rathke. Flowers a deep rich crimson. A profuse bloomer.

Rosea. Large, rose-colored flowers.

Variegata. Leaves green, with a broad, distinctly defined margin of white around each. Blush color.

Each 12c; 4 for 40c, postpaid.

HONEYSUCKLES.

For real handsome vines to be near you, climbing over your windows and doorways, there is nothing prettier than the sweet scented Honeysuckle. The foliage is pretty, neat and clean, the flowers almost continuous and their fragrance delicious.

Some of our friends have conceived the idea of planting Honeysuckles along the division fences and it is wonderful what pretty hedges they make.

The varieties described below are the very best.

Chinese. (Lonicera Sinensis.) This variety has reddish green foliage and reddish flower buds, which when expanded, creamy white petals are displayed.

Hall's Japan. A strong growing, almost evergreen sort, with pure white flowers changing to yellow.

Monthly Fragrant. Red and yellow, very fragrant, leaves tinged with reddish color.

Scarlet Trumpet. Bright red trumpet-shaped flowers. Each 12c; 3 for 35c; the 4 varieties, 1 of each, for 40c, postpaid.

PASSION FLOWER.

(Passiflora Incarnata.)

A strong growing, vigorous climber, making a fine covering for porches and verandas. Flowers 2 to 3 inches across, white with light purple corona. In the North, roots should be dug up and placed in the cellar until spring.

Each 12c; 3 for 30c; dozen \$1.00, postpaid.

WISTERIA.

A vigorous, hardy and rapid grower, particularly valuable for training over buildings, second floor verandas and wherever tall-growing climbers are wanted. The flowers are borne in long pendulous clusters and are deliciously sweet.

Chinese Purple. A lovely rich violet purple. Each 12c; 3 for 30c; dozen \$1.00, postpaid.

Chinese White. A pure white flower. Each 16c.

No Charge for Packing

NURSERY STOCK

No Charge for Packing

Please order early. Make out your list today. We will ship your stock just as soon as soil and weather permits, and notify you when we have done so.

Orders for less than one dozen trees to one person not accepted.

It costs US as much to pack one tree as it does a dozen.

It costs YOU as much Express for one tree as it does a dozen.

We supply six at a dozen, twenty-five at hundred rates. Packing and delivery to railroad depot or express office free of charge. For light shipments we advise express, larger quantities or heavier packages generally go safely by freight. Purchaser pays transportation charges.

All orders for Trees must reach us not later than April 10.



PLUMS.

A profitable market fruit of easy cultivation and salable. The following are well tried and selected sorts.

Fine Healthy Trees. 5 to 6 ft. 60c; 6 for \$3.25; \$6.50 per dozen.

AMERICAN VARIETIES.

Wolf. Medium size, fine for cooking. A free stone. Tree good grower and hardy.

Hawkeye. Very large, color light mottled red, flesh yellow, juicy and pleasant. Tree very vigorous.

De Soto. At the head of the list for hardiness, size and productiveness. Ripens in September and is of excellent quality. The best for the Northwest.

EUROPEAN VARIETIES.

Lombard. Quite large, violet, red, flesh yellow, juicy and sugary. A great bearer.

Moore's Arctic. An eastern product; large cropper; medium size, purple.

JAPANESE VARIETIES.

Abundance. Tree, a strong and handsome grower, thrifty and hardy. Commences bearing young and annually produces large crops of showy fruit in great abundance. Shape, oblong; skin, bright red; flesh, yellow. Ripens in August.

Burbank. Large, nearly globular. Cherry red; flesh orange yellow and sweet.

PEARS.

While we do not recommend pears for general cultivation in the Northwest, there are many localities where they do well however, and in such localities it will certainly pay to plant a few trees. The following are among the most reliable.

Our Stock is First-Class. 5 to 7 ft. 60c each; \$3.30 for 6, \$6.00 per dozen.

Flemish Beauty. A large, beautiful, melting sweet pear. Tree hardy and vigorous. September and October.

Keiffer's Hybrid. Fruit is of good quality when thoroughly ripe. Valuable for either table or market. Does not blight easily. Tree in itself is very ornamental, heavy and early bearer.

Wilden. Ripens about the first of August. Fruit small to medium. Very good quality.

Vermont Beauty. New. Fruit medium size, roundish in shape and skin yellow with deep shading of carmine. Quality very good. October.

APPLES.

The first fruit, both in appearance and general culture is the apple. By planting judicious selections of summer, fall and winter sorts, a constant succession can be had.

Our apple trees are especially fine. 4 to 5 ft. high, each \$5c; doz \$4.00.

SUMMER VARIETIES.

Yellow Transparent. Of Russian origin, succeeds everywhere; medium size, pale yellow and of good quality. July.

Red Astrachan. Large, roundish, nearly covered with deep crimson. Juicy, and a good bearer. August.

Duchess of Oldenburg. A large, beautiful apple, roundish. Streaked red and yellow. Tender and juicy. Very hardy. September.

AUTUMN VARIETIES.

Snow. A round, medium sized apple, crimson and very juicy. Delicious. Tree vigorous and productive. October to January.

Longfield. A Russian variety. Tree a strong grower and an early and prolific annual bearer. Fruit fine, tender and juicy. A valuable hardy sort. November to February.

Wealthy. Large, round fruit, smooth skin cover, mostly with red. Very juicy. November to March.

Wolf River. New. Fruit very large, skin greenish yellow, shaded with crimson; flesh white, juicy and tender. Very hardy and productive. November to March.

WINTER VARIETIES.

Seek-no-Further. Medium to large, round striped with dull red russet dots; fine grained, tender, rich and excellent. A good grower and fruit bearer; fruit fair and fine. November to April.

Tallman Sweet. Medium size, pale, whitish yellow, slightly tinged with red, flesh firm, rich and sweet. Hardy and productive. November to April.

Northwestern Greening. A large, beautiful, yellow apple of excellent quality. A first-class keeper and with proper precaution will keep until June in an ordinary cellar.

CRAB APPLES.

Early and annual bearers, hardy and ornamental. 4 to 5 ft. 35c each; \$4.00 per dozen.

Whitney. Very large, averaging 1½ to 2 inches in diameter. Skin smooth and glossy. Color green striped with carmine. Ripe the latter part of August.

Transcendent. Immense producer. Red and yellow. August.

Hyslop. A good keeper. Fruit in clusters. Dark red in color. Good for cooking.

CHERRIES.

Money and lots of it in cherries. Demand always greater than supply of this delicious fruit.

Selected Trees. 4 to 6 feet. 75c each; 6 for \$4.20; \$7.80 per dozen.

Early Richmond. Medium size, melting, juicy and of acid flavor. Exceedingly productive; good for cooking. June.

Montmorency. Larger than the Richmond, and about ten days later. Red.

English Morello. Large and juicy, dark red, very rich. Productive and profitable.



ORDERS FOR FRUIT PLANTS SHOULD REACH US NOT LATER THAN APRIL 10.

The Following Plants are Shipped Direct From the Nursery to Destination.

Purchaser Paying Express or Freight Charges.

STRAWBERRIES.

Those marked "P." are perfect in blossom and can be planted alone or are suitable to plant with the Pestilate to make them bear.

Those marked "I." have imperfect blossoms and must have some of the perfect blossom varieties planted with them, viz.: one row of the perfect to two rows of the imperfect.

Crescent. "I." Medium size, very productive, good color and fair quality, early.

Senator Dunlop. "P." Begins to ripen early and continues a long time in bearing.

Warfield. "I." A good shipper of rich color, large size, fine shape and good flavor.

Jessie. "P." Fruit very large, quite firm, good color and excellent quality. Early.

Bubach. "I." Fruit large, very red and ripens all over. Good flavor. Midseason.

Reder Wood. "P." A very desirable berry for either home or market use. Early.

Haverland. "I." Fruit large, bright, red, very firm, and ripens all over. Early.

Lovett. "P." A fine grower, heavy bearer, good colored large berries. Midseason.

Prepaid, 30 cts. per dozen.

Not prepaid, dozen, 20 cts.; per 100, 75 cts.; per 1000, \$5.00.

RASPBERRIES.

Strong Plants.

Plant in rows 5 feet apart and 3 feet apart in a row.

Gregg. Fruit very large, of good quality, very neat and firm. Very late.

Kansas. Berries large, jet black, firm, handsome and of best quality.

Columbian. Fruit is dark red and of good quality. The best for canning. It is an extra strong grower and its immense canes are frequently loaded to the ground with its large, luscious berries.

London. The best hardy late red raspberry. A heavy yielder, of large size and very firm. As near perfection as it is possible to get.

Not prepaid, 6 for 35 cts.; 65 cts. per dozen; \$1.75 per 100.

BLACKBERRIES.

Plant in rows 6 feet apart and 4 feet apart in the row.

Stone's Hardy. Very hardy and productive. Too well known to need further description.

Snyder. A popular variety, hardy and productive. Valuable for marketing.

Not prepaid, 6 for 40 cts.; 75 cts. per dozen; \$2.50 per 100.

GRAPE VINES.

Extra Strong Two-Year.

If planted by a fence or building set plants 8 ft. apart. For vineyard, make rows 8 feet apart.

Concord. A large purplish black grape, ripening about the middle of September.

Warden. A splendid black sort of the Concord type, but earlier and larger in bunch and berry.

Delaware. "One of the finest." Bunch small, compact shouldered and berries small.

Niagara. Strong grower, bunches large, berries white. Has a peculiar aroma.

Brighton. A new red variety highly recommended. Medium sized berries. Early.

Moore's Early. One of the very best black early grapes. Cluster medium size, berry very large. Ripens nearly two weeks before the Concord and is of the same quality. Very profitable.

Moore's Diamond. A new white grape, large in bunch and berry. Hardy and early.

Not prepaid, 6 for \$1.00; \$2.00 per dozen; \$10.00 per 100.

CURRANTS.

Two-Year-Old Plants.

Currants are profitable for market, healthful for home use and should be found in every garden. Set plants 4 feet apart each way. Cultivate well.

Red Dutch. This is the standard variety and well known everywhere.

Pomona. Will hang on the bushes for some time after ripening; of good size, color and quality.

Fay's Prolific. Bush not very strong, but bears well. Larger than others.

Victoria. An exceedingly valuable late variety. A strong, vigorous grower, and wonderfully productive. Berries large, handsome and fine flavored.

White Grape. Fine for table use. A good grower and productive. Sweeter than the red.

Lee's Prolific. Black. The fruit is large and of superior quality. Very productive.

Not prepaid, 6 for 60 cts.; \$1.00 per dozen; \$7.50 per 100.

GOOSEBERRIES.

Extra Strong Plants.

Of easy cultivation. Plant in good rich soil in rows 5 feet apart and 3 feet apart in the row.

Houghton. Small to medium; roundish oval, pale red, sweet and tender. Very productive and free from dust.

Downing. Large, handsome, pale green, and of fine quality, both for cooking and table use. One of the best.

Not prepaid, 6 for \$1.25; \$2.00 per dozen; \$12.00 per 100.

THE
BEST.

MALT COFFEE.

THE
CHEAPEST.

PREPARED FROM THE BEST MALT.

The Same as is Used in Most of the "Kneipp Institutes."

On request of many of our customers, who drink Health-Malt-Coffee, we procured from a doctor of Worrishofen, Germany where Father Kneipp lived, information in regard to preparing the malt, and his instructions are followed. There are now hundreds of our customers who drink only our Malt Coffee, because they consider it superior to most Malt Coffee in the market. Try ours. Price, by freight or express: 10 lbs. \$1.00; 25 lbs. \$2.40; 50 lbs. \$4.50; 100 lbs. \$8.50.



INSECTICIDES, FUNGICIDES and FERTILIZERS.



Bordeaux Mixture. A good remedy for fungus diseases. Price, 1 qt. can (makes 50 quarts spray), 50c. Cannot be sent by mail.

Fir Tree Oil. Insecticide for greenhouse and house plants, especially for mealy bug, scale, red spider, black and green aphids, thrips, lice, worms and slugs. Pt. 85c. Cannot be sent by mail.

Flour of Sulphur. For destruction of mildew on roses, etc. Prepaid, lb. 25c; not prepaid, lb. 10c; 5 lbs. 35c; 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.50; 100 lbs. \$4.75.

Hellebore, Powdered White. For the destruction of slugs, worms, caterpillars, etc. Can be used as a powder or dissolved 1 oz. in 3 gallons of water. Per lb. 25c; 5 lbs. \$1.20. Cannot be sent by mail.

Kerosene Emulsion. Prepared according to the most approved formulae; ready for use by simply adding water (25 to 50 parts water to one of Emulsion). For cabbage worms, scale on trees, caterpillars, melon louse, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. Price, qt. 50c. Cannot be sent by mail.

London Purple. Good for curculio, codling, moth, canker worm, pear slug, cabbage worm, cut worm, all leaf eating caterpillars, etc., on potatoes, apple, pear, plum, cherry and peach trees. Per lb. 35c. Cannot be sent by mail.

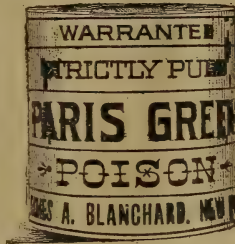
Paris Green. Applied as a powder, it should be mixed with plaster or flour, 100 parts to 1 part of Paris Green; in solution, mix 1 lb. in 200 to 300 gallons water. Price, ½ lb. package 20c; 1 lb. package 35c; 5 lb. package \$1.50. Cannot be sent by mail.

Persian Powder. For worms, flies, aphids and almost all kinds of insects it is very effectual, suffocating them by filling up the breathing pores. Prepaid, 2 oz. box, 12c; 1 lb. box, 55c; not prepaid, 2 oz. box, 10c; 1 lb. 40c; 5 lb. \$1.90.

Slug Shot, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms, fleas, beetles and striped bugs on melons, turnips, beets, onions, etc.; canker worms and caterpillars on fruit and other trees. Pre-Not prepaid. paid.

1 lb. paper carton, perforated top\$0.25 \$0.10
1 lb. tin canisters, perforated screw top..... .35 .20
5 lb. pkg., cannot send by mail .30
10 lb. pkg., cannot send by mail .50
In bulk, per bbl. 235 lbs. 9.40

Sulpho-Tobacco Soap. Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless insecticide for Amateur and Professional Growers this is unexcelled. It also acts as a valuable fertilizer, reviving plant life. 3 oz. cake, sufficient for 1½ gallons prepared solution, 10c; mailed postpaid, 13c; 8 oz. cake, sufficient for four gallons prepared solution, 20c; mailed postpaid, 28c; 10 lb. cake, sufficient for 80 gallons prepared solution, \$3.00.



Woolfatine. Derived from the wool of sheep, and in its purified state has proven itself a superior remedy in cases of cuts, sores or bruises of any kind, on horses or other animals. Large box 50c, 3 boxes \$1.25, postpaid.



Tobacco Dust. One of the best remedies of green and black aphids, fleas, beetles, etc., also for insects in the ground. Prepaid, lb. 25c; not prepaid, lb. 10c; 5 lbs. 25c; 10 lbs. 40c; 100 lbs. \$3.50.

Whale Oil Soap. Makes an excellent wash for trees and plants where insects and eggs affect the bark and for smearing on the trunks of trees to prevent worms from crawling up.

Not Prepaid. Prepaid.
¼ lb. air tight box..\$0.08 \$0.05
½ lb. air tight box.. .16 .08
1 lb. air tight box.. .30 .15
Grafting Wax. Prepaid, ¼ lb. 15c; ½ lb. 25c; 1 lb. 40c. Not prepaid, ¼ lb. 10c; ½ lb. 17c; 1 lb. 25c.

THISTLEINE.

KILLS DANDELIONS AND THISTLES.

Thistleine Destroys Canadian and Russian Thistles, Burdock, Dandelion, Johnson Grass, Mullen, Plantain, Wild Lettuce and Onions, Milk Weed, Sand Burrs, Poison Ivy, and all other Fibrous Plants. Directions with each can or bottle. Price of 5 lb. can (makes 5 gallons spray), \$2.00. Pint bottle Fluid, including Dropper for applying to weeds in lawns, 50c.

A FEW TESTIMONIALS.

Gentlemen:—I have experimented with your Thistleine and find that it does the work for which it is designed; I may say perfectly. You may use this testimonial anywhere that you see it may help you, and give my name for reference. Very respectfully,

W. E. VAN SLOOTEN,

Canadian Thistle Commissioner. Town of Lake, Cook Co., Ill.

Gentlemen:—This city of La Porte, Ind., has used Thistleine and finds that it completely destroys stalk and roots of all noxious weeds of every description. Respectfully,

F. R. CARSON,
Ex-Mayor, La Porte, Ind.

PLANT FERTILIZERS.

Darling's Celebrated Flower Grower. This is an article which we put up especially for house plants. Small pkt. 15c; large pkt. 25c; by mail, postpaid, small 20c; large 40c.

Walker's Excelsior Plant Food. An odorless and perfectly soluble food for house plants. A lb. box sufficient for 25 ordinary sized plants for 1 year. 1 lb. 25c; by mail, 40c; ½ lb. pkt. 15c; by mail 25c.

"Brownie Brand" Bone Meal. For rose culture. It is the pure bone meal, refined. Per lb. box, 25c; by mail, 40c.

Japanese Palm Food. An odorless fertilizer, specially prepared for palms, rubber plants and ferns. It will produce a luxuriant foliage of rich texture. Per ½ lb. box 15c; by mail 25c.

FERTILIZERS.

FOR ALL SOILS AND CROPS. TO FARMERS!

IMPROVING THE SOIL.

Does your land yield as large crops as it used to? If not, why? The soil will remain rich by returning to it each year the full amount of nitrogen, phosphoric acid and potash removed by continued harvested crops. You must feed your land a balanced fertilizer just as you feed live stock, a balanced ration for successful results.



With Bonora.

Without Bonora.

SWIFT'S TRUCK GROWER.

All animal matter ammoniates from Bone, Blood and Tankage.

Guaranteed Analysis.

Nitrogen (equal to Ammonia 1.00%).....0.82%
Phosphoric Acid, Available8.00%
Phosphoric Acid Insoluble (from bone).....2.00%
Potash K₂O4.00%
Sulphate of Potash7.40%
Soil: Best suited to soils of good, strong loam texture which can start a crop early and maintain a steady, regular growth. It is rich in soluble bone phosphate and potash.

Crop: Gives excellent satisfaction used in addition to stock manures. Applied under potatoes, onions and sugar beets on soils that have been exhausted by frequent cropping, make a dressing of good farm manure.

Applications: For Potatoes—use 500 pounds per acre. Truck Grower gives vines increased power of putting on more and better potatoes.

For Onions—On soils of average fertility use 500 pounds per acre. The seed bed should be plowed in fall preceding. An even distribution of this fertilizer shows marked results in preventing spotted onions.

For Sugar Beets—Apply at the rate of 500 pounds per acre.

Price, F. O. B. Chicago. 125 lbs. \$1.75; 500 lbs. \$6.75; 1000 lbs. \$12.50; ton \$24.50.

F. O. B. Milwaukee: 125 lbs. \$1.90; 500 lbs. \$7.65; 1000 lbs. \$13.75; ton \$27.00.

SWIFT'S ONION, POTATO AND TOBACCO FERTILIZER.

All animal matter ammoniates from Bone, Blood and Tankage.

Guaranteed Analysis.

Nitrogen (equal to Ammonia 2.00%).....1.64%
Phosphoric Acid, Available8.00%
Phosphoric Acid, Insoluble (from bone).....3.00%
Potash K₂O7.00%
Sulphate of Potash12.75%

Soil: For all classes of light loam, or medium soils in a fair state of cultivation. Produces steady growth and early maturity.

Crop: Generally used on onions, potatoes and tobacco, and tomatoes.

Application: For the best results, we recommend not less than 500 lbs. per acre. As a starter for tobacco beds, sow 5 to 10 lbs. to the square rod and work in well with the soil. Two hundred pounds per acre makes an excellent combination when a clover or green crop is plowed under before planting. In setting plants by hand, when

two feet apart and more, use a fair-sized handful for each plant, mixing well with the earth.

Price, F. O. B. Chicago: 125 lbs. \$2.00; 500 lbs. \$7.75; 1000 lbs. \$15.00; ton \$29.75.

F. O. B. Milwaukee: 125 lbs. \$2.20; 500 lbs. \$8.35; 1000 lbs. \$16.25; ton \$31.95.

"BONORA."

The Elixir of Plant Life on Vegetables and Fruits.

Will positively mature them from two to three weeks earlier than ordinary fertilizers. "Bonora" is the body, life and blood of a plant, and has the same action on a plant that the heart has to the human body. It creates Chlorophyl, which is the blood and life of a plant; it increases root action, which enables the plant, vegetable or tree to carry its load. By using "Nature's Plant Food" it will enable you to market your product earlier, or have it on your table before your neighbor wakes up.

"Bonora for Lawns"—Try it and be convinced that there is nothing better for your lawn. It reaches the roots, thus thickening the sod, and gives the grass that rich, velvety green appearance.

Put up in dry form in all size packages as follows:

Trial Package, making 56 Pints, by mail...\$0.30
One Pound Package, making 28 gallons, by mail......65

5 lbs., making 140 gallons, not prepaid..... 2.50

10 lbs., making 280 gallons, not prepaid..... 5.00

SWIFT'S SUPERPHOSPHATE.

A splendid All-Around Grain, Corn and Grass Grower.

All animal matter ammoniates from Bone, Blood and Tankage.

Guaranteed Analysis.

Nitrogen (equal to Ammonia 2.00 %).....1.64%
Phosphoric Acid, Available8.00%
Phosphoric Acid, Insoluble (from bone).....4.00%
Potash K₂O2.00%

Contains pure bone and sufficient water soluble phosphoric acid to insure to the crop a quick and healthful start, the pure bone carrying through to maturity and giving a good grass crop.

Soil: Suitable for all sandy loam or clay soils.

Crop: Adapted to all spring crops and fall grain, clover and grass seedings and alfalfa.

Application: For lasting results, sow from 200 to 300 pounds per acre.

Price, F. O. B. Chicago. 125 lbs. \$1.75; 500 lbs. \$6.75; 1000 lbs. \$12.50; ton \$24.00.

F. O. B. Milwaukee: 125 lbs. \$1.90; 500 lbs. \$7.65; 1000 lbs. \$13.75; ton \$26.50.

DARLING'S GENERAL CROP BRAND.

This is a high-grade all-round fertilizer, especially adapted to all field crops. Its guaranteed analysis is as follows: Nitrogen, 2.47 to 3.29 per cent; Ammonia, 3 to 4 per cent; Available Phosphoric Acid, 8 to 10 per cent; Equal Bone Phosphate, 17 to 21 per cent; Total Phosphoric Acid, 10 to 12 per cent; Potash Sulphate, 7.50 to 9 per cent; Potash (K₂O) 4 to 5 per cent.

Price, F. O. B. Chicago: 125 lbs. \$1.95; 500 lbs. \$7.50; 1000 lbs. \$14.50; ton \$28.00.

F. O. B. Milwaukee: 125 lbs. \$2.10; 500 lbs. \$8.05; 1000 lbs. \$15.50; ton \$30.50.

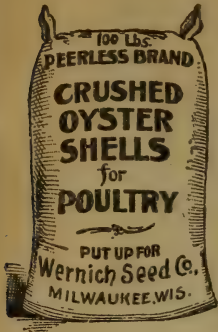
DARLING'S VEGETABLE AND LAWN FERTILIZER.

This is the richest article we have—a chemical dressing which does away with unsightly barnyard manure around your residence all winter, which is objectionable not only on account of looks and smell, but introduces seeds of obnoxious weeds. It is a Super Phosphate and positively the best thing on the market for gardeners and florists use and as a Top Dressing for Lawns.

Price, F. O. B. Chicago: 500 lbs. \$10.20; 2000 lbs. \$36.30.

F. O. B. Milwaukee. 10 lbs. 50c; 25 lbs. \$1.00
125 lbs. \$3.55; 500 lbs. \$10.75.

POULTRY SUPPLIES.



Our Stock is Complete. If interested, Write for Our New Poultry, Pet and Live Stock Supply Catalogue.—It's Free—We Will Mail It to You Upon Request. Below We Quote a Few of the Many Supplies We Carry in Stock.

A Chick Can't grow or a Hen lay unless you give them the Proper materials with which to make bone and muscle or eggs. **THAT'S PLAIN.**

The following named foods supply the material for the growing bird and laying hen.



POULTRY FOODS AND GRITS.

Crushed Oyster Shells. Fed to poultry to supply the essentials in the formation of the egg. Per 10 lbs. 10c; 25 lbs. 20c; 100 lbs. 65c.

Mica Spar Grit. The new Grit, sharper, harder and cleaner than any other. Per 10 lbs., 15c; 25 lbs. 25c; 100 lbs. 75c.

Granulated Bone. Made from the fresh green bone with the moisture and grease taken out. This is one of the best egg producers. Per 5 lbs., 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

Raw Bone Meal. Made from raw bones ground fine. Fed in the mash feed makes chicks grow and laying hens strong. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

Refined Charcoal. Aids digestion, purifies the crop and blood and regulates the bowels of Poultry. 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.75.

Beef Scraps. Where it is difficult to obtain Green Cut Bones, Beef Scraps are largely used in their place. Per 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 85c; 50 lbs. \$1.65; 100 lbs. \$3.15.

Meat Meal. Made from the livers of slaughtered animals. Cooked and ground, and nearly odorless. Fed in mash. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

Dried Blood. This is deodorized and very high in digestibility. Conceded to be the best egg producer on earth. Per 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 95c; 50 lbs. \$1.80; 100 lbs. \$3.50.

Linseed Meal. A great flesh producer for Poultry. Keeps them healthy. Fed in mash. Also fed to horses and cattle. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.00.

Magic Chick Manna. A health food for little chicks, peculiarly adapted for the most critical period of little chicks. A special 10 days food tending to make little chicks healthy, vigorous and developed. Use this as a first food, no matter what food is fed. Per lb. 10c; 5 lbs. 40c; 15 lbs. \$1.10; 60 lbs. \$4.20.

Wernich's Magic Chick Food. Contains over 30 varieties of grains and seeds, also meat, grit and bone. The best dry food for little chicks made. Try it. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 80c; 100 lbs. \$2.50.

Evergreen Cut Clover. Guaranteed 100 per cent. pure clover. As green as grass. Per lb. 6c; 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.50.

Alfalfa Meal. Made from the same stock as our Cut Clover. Per 5 lbs. 20c; 10 lbs. 30c; 25 lbs. 60c; 50 lbs. \$1.00; 100 lbs. \$1.85.

Mixed Grain for Hens. A balanced Ration composed of wholesome grain, carefully and scientifically balanced. Price, 5 lbs. 15c; 10 lbs. 25c; 25 lbs. 60c; 50 lbs. \$1.15; 100 lbs. \$2.10.

WERNICH'S MAGIC REMEDIES.

WERNICH'S MAGIC ROUP CURE.

Is a guaranteed cure for Roup, Colds, Canker, Gape and Pip. The best ever manufactured. Price, 25c, 50c, \$1.00 packages, postpaid.

WERNICH'S MAGIC CHOLERA CURE.

Cures Cholera, Blackhead, Limberneck, Diarrhoea and Weak Legs. The best cholera cure on the market. To be given in drinking water. A dose occasionally acts as a preventive. Put up in 25c, 50c and \$1.00 packages, postpaid.

WERNICH'S MAGIC ROUP PILLS.

A Sure Cure for Roup, Catarrh, Colds.

Many poultry raisers prefer pills for the cure of Roup, etc., because of their great convenience and quick administration. Wernich's Roup Pills are guaranteed to give relief quickly and effectively. Directions on each packet. Per packet, 50 pills, 50c postpaid. Per packet, 120 pills, \$1.00, postpaid.

WERNICH'S MAGIC CONDITION POWDER.

Puts hens, ducks, turkeys and pigeons in the pink of condition. It is also of the utmost value at moulting time, as it keeps up the fowl's strength, makes the feathers develop properly, shortens the moulting period and brings an early production of eggs. Mix with soft food. Per package, 25c; by mail, 35c.

WERNICH'S MAGIC EGG FORCE AND POULTRY TONIC.

Makes your hens lay in the coldest weather, and helps to some extent to prevent disease. To lay eggs regularly, the fowl's health must be as nearly perfect as possible and the egg producing organs must be kept free from disease and irritation. We do not claim that our Egg Force will cure all kinds of disease, but we do claim that it will keep the fowls in the best of health, and that it will produce eggs. One package, enough for 160 hens, 25c; by mail, 37c.

WERNICH'S MAGIC EGG PRODUCER, CHICK TONIC AND CONDITIONER.

As the name implies, stands at the head of Condition Powders. It is scientifically compounded, thoroughly balanced and perfectly pure and free from any harmful substance. In this day of Egg Producing it stands to reason that a Condition Powder given at intervals of two or three days apart is of great benefit to keep the fowls in the pink of condition and enables them to bear up under the Egg Forcing process. Price, box 25c; 10 boxes \$2.00.

WERNICH'S MAGIC INSECT POWDER.

Wernich's Magic Insect Powder is a Safe and Sure Remedy for Lice of all kinds on anything. It is harmless to human and animal life. Especially adapted for use on setting hens. It will not injure the eggs, hens, or chickens. If used liberally during the hatching season it will save the lives of many little chicks that would otherwise succumb to vermin. Has been used the past season on some of the largest poultry plants in the country and the praise is unanimous.

Size.	Not Prepaid.	Prepaid by Mail.
5 Oz. Box.....	\$0.10	\$0.15
15 Oz. Box.....	.25	.40

WERNICH'S MAGIC DISINFECTANT.

THE GREAT DISEASE DISCOURAGER.

Invaluable to the Poultryman, Farmer, Stableman, Cattle, Swine or Sheep Raiser, Dog Fancier or Hotel Keeper.

FOR POULTRY.

Keeps the houses sweet and sanitary; cures Scaly Legs and Favus; absolutely destroys Roup and Cholera Germs; keeps fowls healthy; destroys lice and mites; checks incipient Roup and Chicken Pox. Wernich's Magic Disinfectant is the most useful preparation about the poultry yard ever invented.

Price of Wernich's Magic Disinfectant: One gallon can, \$1.25; half gallon can, 75c (f. o. b. Milwaukee).

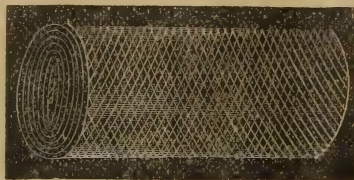
POULTRY SUPPLIES.



Thompson's Root Cutter.

Absolutely Free.

To all who ask for it we will mail our large 53-page Poultry Supply Catalogue which tells of all "Good Things and Necessities" for the practical Poultry Keeper. We carry the largest stock of any Supply House, bar none, in the Northwest.

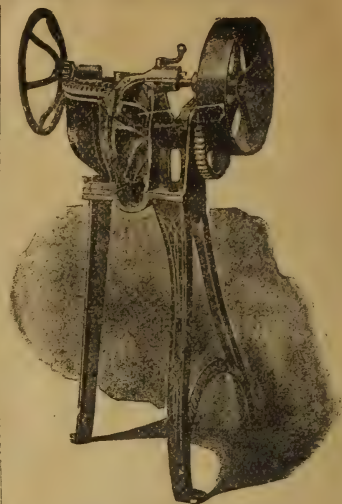


Rust-Proof Poultry Netting.

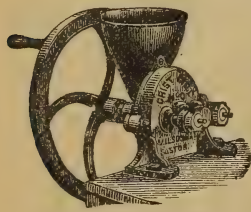
Put up in rolls of 150 lineal feet of No. 19 Galvanized Wire, 2 in. mesh. It is made with three strand rope selvage and is galvanized after being twisted.

Width of Netting.	Per Roll of 150 feet.	Width of Netting.	Per Roll of 150 feet.
12 inches.....	\$0.85	48 inches.....	\$3.30
18 inches.....	1.25	54 inches.....	3.70
24 inches.....	1.65	60 inches.....	4.05
30 inches.....	2.00	72 inches.....	5.25
36 inches.....	2.35	84 inches.....	6.00
42 inches.....	2.95	96 inches.....	6.75

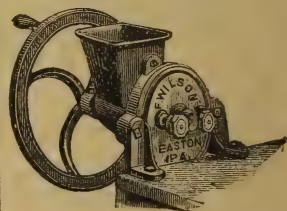
Will quote prices on 1½, 1 and ¾ inch mesh.



No. 2 Humphrey Bone Cutter.



Wilson Grist Mill.

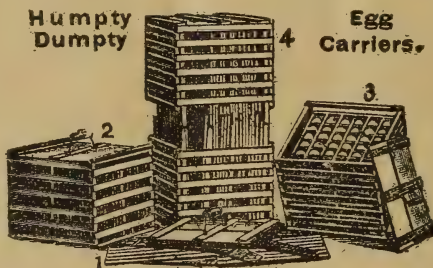


Wilson Bone Mill.



Gem Clover Cutter.

Humpty Dumpty



Egg Carriers.



Wire Hen's Nest.



Grit Box.

ROOT CUTTER.

Thompson's No. 7.....\$5.00

GREEN BONE CUTTER.

No. 1. Humphrey\$12.00
No. 2. Power 13.50

CLOVER CUTTER.

Gem. On long legs....\$9.00
Gem. On short legs... 8.00

BONE MILL.

Wilson. For Bench....\$4.00
Wilson. On Iron Stand. 6.25

GRIST MILL.

Wilson. For Bench....\$4.00
Wilson. On Iron Stand. 6.25

GRIT BOX.

Sanitary\$0.50

DRINKING FOUNTAINS.

Sanitary. 1 gallon....\$0.50
Sanitary. 2 gallon.... .85

CORN SHELLERS.

Champion\$2.00

FEED PANS.

Hallock. 1 gallon....\$0.75
Hallock. 2 gallon.... 1.00
Hallock. 3 gallon.... 1.25

WIRE HEN'S NEST.

1½ in. mesh, each....\$0.15
Per dozen 1.50

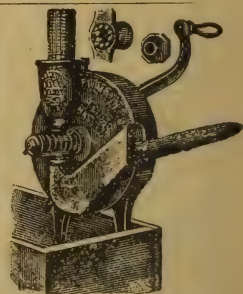
WERNICH'S EGG CASE.

With Patent Fasteners.\$0.50

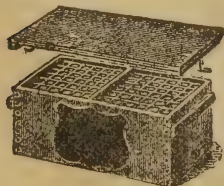
EGG CARRIERS.

Humpty Dumpty.

Size 6 doz., ea. 25; doz. \$2.75
Size 12 doz., ea. 30; doz. 3.25



Champion Ballbearing Sheller



Wernich's Egg Case.



Hallock Feed Pans.



Sanitary Fountain.

BEE KEEPERS' SUPPLIES.

On this page we list only a few articles such as are mostly in demand. If you want anything which is not listed, please write for our Special Bee Supply Catalogue.



No. 6. One Piece Section. Open Top

No. 7. One Piece Section. Tight Top.

No. 8. One Piece Section. No Bee Entrance.

No. 9. One Piece Section. Bee Entrance on Four Sides.

ONE-PIECE SECTIONS.

The cuts, 6, 7, 8 and 9 show the different styles of one-piece section, except one, which is open on three sides, which is also furnished when desired.

STANDARD SECTIONS.

The $4\frac{1}{4} \times 4\frac{1}{4}$ is the standard section. The following widths of this size are carried in stock: 2, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{1}{2}$ and $1\frac{3}{4}$, 7 to the foot. In ordering these standard sections, if you do not state width and style wanted, we always send them $1\frac{1}{4}$ wide and open top, as per cut No. 6.

PLAIN SECTIONS.—No Beeways.

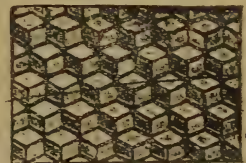
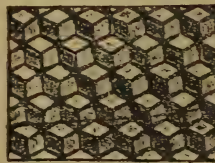
The following plain or no beeway sections are also carried in stock: $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{4}$, $1\frac{1}{8}$, or $1\frac{1}{4}$, $4 \times 5 \times 1\frac{1}{4}$, and $3\frac{3}{4} \times 5 \times 1\frac{1}{4}$. In ordering plain sections, if you do not state what size is wanted, we always send $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{4}$.

PRICE LIST OF SECTIONS.

(Regular Size, $4\frac{1}{4} \times 4\frac{1}{4}$. $1\frac{1}{2} \times 2$ in.)

In Quantities of	No. 1.	No. 2.	In Quantities of	No. 1.	No. 2.
100	\$0.80	\$0.70	2000	\$10.50	\$ 9.50
250	1.60	1.40	3000	15.00	13.50
500	2.75	2.50	4000	20.00	18.00
1000	5.50	5.00	5000	23.75	21.25

Name of Grade.	In Lots of			
	1 Lb.	5 Lbs.	10 Lbs.	25 Lbs.
Medium brood	\$0.57	\$2.75	\$5.30	\$12.75
Light brood .....	.59	2.85	5.60	13.25
Thin surplus .....	.64	3.10	6.00	14.50
Extra thin surplus..	.67	3.25	6.30	15.25



IMPROVED CORNEIL SMOKER.

The Improved Cornell Smoker, with its new snout, is a most decided improvement over the old one. The old nozzle, or snout, was somewhat top-heavy, having a tendency to tip over. The new one is not only neat in appearance, but will hold its position on top of the stove without danger of toppling over. Like the last year pattern of nozzle, it is hinged for convenience in opening or closing, but in front instead of the rear, as before. See dotted line. A very neat wire-coll handle, which will remain cool under any circumstances, is riveted securely in place on the back side of the snout at a point that is most convenient for lifting and shutting the cap. The legs are of skeleton sheet metal stamping, extremely light in weight, but very strong and rigid. They are riveted to the stove and bolted to the bellows-board. The blast is the same well known Cornell principle, involving the use of a supplementary tube by which the volume of the blast is increased. The bellows itself is metal bound, thereby strengthening this portion.

We furnish three sizes of this smoker, viz.: Jumbo, with 4-inch stove, Standard with $3\frac{1}{4}$ inch stove, and a Junior with $2\frac{1}{2}$ inch stove.

Table of Prices of Cornell Smokers.

Jumbo Cornell, 4-inch.....	\$1.25 each;	3, \$3.45; postage, \$0.30
Standard Cornell, $3\frac{1}{4}$ -inch.....	.85 each;	3, 2.25; postage, .25
Junior Cornell, $2\frac{1}{2}$ -inch.....	.65 each;	3, 1.80; postage, .20

PRICE LIST OF EXTRACTORS.



No.	Name.	Weight.	Price.
5	Novice extractor, for Langs or Simp. frame, or any other frame not over $9\frac{1}{2}$ inches deep, or $18\frac{1}{2}$ inches long, top bar 20 inches long....	45 lbs.	\$ 9.50
15	Two-frame Cowan, for frame same size as above, diameter of can 20 inches.....	70 lbs.	12.50
25	Four-frame Cowan, for frames same size as above, diameter of can 28 inches.....	150 lbs.	26.00



If you wish any other size extractor not quoted above, write for prices.

GLOVES.

Oiled duck.....per pair, \$0.60. Rubber, Nos. 10, 11, 12.....per pair, \$1.85

To insure getting proper size, mark outline of hand on sheet of paper. If you order by number, order two sizes larger than you require in kid.

FRENCH TULLE VEILS.

All cotton, 50c; cotton with silk face, 60c; all silk, 90c; Globe veils, \$1.00; Extra nets for Globe veils, 60c.



"Iron Age" Farm and Garden Tools for 1910.

Write for Special Catalogue of these Tools. Mailed free.

The "Iron Age" Garden Tools have become immensely popular, owing to their new and up-to-date construction. They are equipped with high, steel wheels, very light tubular frame, connected with malleable iron castings—really bicycle construction, and in consequence they are exceedingly light, convenient, easy to handle and very handsome in appearance.

No. 22 "Iron Age" Combined Fertilizer Distributor, Hill and Drill Seeder.

Weight, Boxed, 65 lbs. Price, \$18.00.

Although a tool designed to do so much, it is perfectly simple, light of draught, strong, and perfection in the quality of work done by it.

The Opening Plows of the Fertilizer Distributor are made of such shape as to encase the two fertilizer distributing tubes (one in each plow) leading from the Fertilizer Hopper. These plows are adjustable in depth and width, which allows the adjustment of the depth at which the fertilizer is sown and allows its distribution in narrow streams at different distances. The plows are immediately followed by the covers, which draw the soil over the fertilizer just deposited.

The Fertilizer Distributor is thoroughly reliable in its distribution of fertilizer. It contains a force feed device which prevents stoppage by small lumps.

The Seed Sowing Device is practically the same as used on our Nos. 6 and 15 Combined Seed Drills. The seed may be sown in rows or dropped in hills at 4, 6, 8, 12 to 24 inches apart.



No. 15 "Iron Age" Combined Single Wheel Hoe, Hill and Drill Seeder.

Weight, Boxed, 49 lbs. Price, \$11.00.

Combined in this tool is the best Hill and Drill Seeder and Single Wheel Hoe ever offered to the public. In combining these tools, not a single advantage of a separate Single Wheel Hoe or Drill Seeder is lost. As each they are in themselves complete. Changed from one form to the other almost instantly, completely filling every desire both as to method of handling seed and soil. It places the seed in hills, or drills, it plows, it opens furrows, it covers, it hills, it hoes, it cultivates. The wheel is made of steel, 16 in. high; the frame of pipe, coupled to malleable castings, therefore light (runs easy), strong and durable.



No. 17 Combined Single Wheel, Hill and Drill Seeder.

Weight, Boxed, 45 Lbs. Price, \$10.00.

This tool is very similar to the No. 15, minus the Hill dropping device. Sows in a continuous row only. It plows, it rakes, it opens furrows, it covers, it hills, it hoes, it cultivates.

No. 16 "Iron Age" Hill and Drill Seeder.

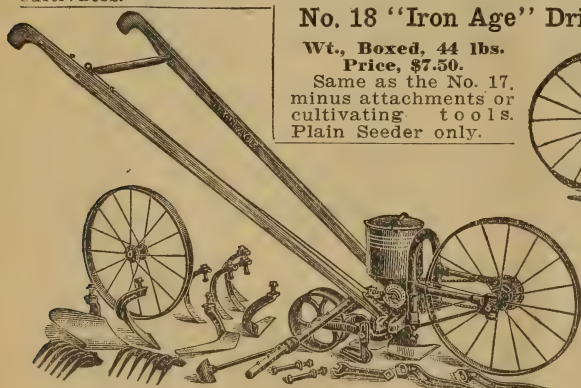
Wt., Boxed, 46 lbs. Price, \$8.50.

This is the same as the No. 15 excepting it has not the attachments that appear in the illustration. It is a plain Seeder only.

No. 18 "Iron Age" Drill Seeder.

Wt., Boxed, 44 lbs. Price, \$7.50.

Same as the No. 17, minus attachments or cultivating tools. Plain Seeder only.



No. 6 "Iron Age" Combined Double Wheel Hoe, Hill and Drill Seeder.

Weight, Boxed, 50 lbs. Price, \$12.00.

This tool will sow all the same seeds varying in size from celery to corn, in drills or drop in hills at 4, 6, 8, 12 or 24 inches apart.

By a convenient hook the tool can be instantly changed to a Drill Seeder, or the reverse. The Opening Plow is clog proof; all trash which may come in contact with it is ridden down.

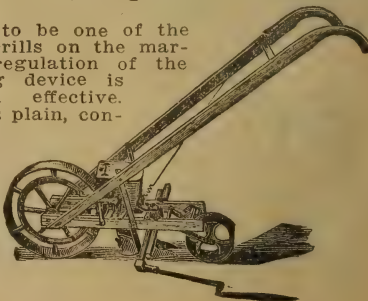
The Marker is pivoted in the rear of the hopper and can be thrown from side to side by the foot. This tool is without doubt the most complete tool ever offered to the public.

New Model Seed Drill.

Boxed, Weight 50 lbs.

Conceded to be one of the best Seed Drills on the market. The regulation of the seed sowing device is simple and effective. The Index is plain, convenient and reliable. The best value in material, durability, and true merit.

Cheaper than ever at \$8.00.



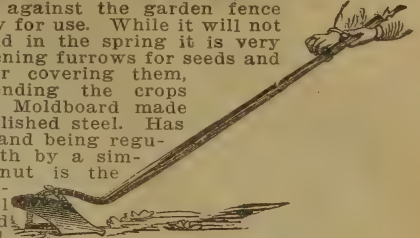
The No. 11 Iron Age Wheel Plow.



A beauty. Its graceful shape and exceeding lightness accord well with its ease of operation and perfection of work. Adjustable in depth. It will plow three to four inches deep and throw a furrow four to six inches wide. Poultrymen will find this tool to be the easiest, quickest and most efficient implement for turning under the accumulated filth and droppings in their poultry yard. Packed, weight 20 lbs. Price, \$2.50.

Bateman's Hand Garden Plow.

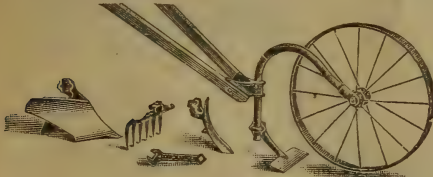
A simple and very effective tool, one that stands against the garden fence always ready for use. While it will not break ground in the spring it is very useful in opening furrows for seeds and manures, for covering them, and for tending the crops afterwards. Moldboard made of highly polished steel. Has side handle and being regulated in depth by a simple thumb nut is the most manageable tool of the kind yet produced. Weight, 6 lbs. Price, each, \$1.15.



No. 12—"Iron Age" Wheel Plow and Cultivator.

Weight, Boxed, 20 lbs. Price, \$3.50.

In the accompanying cut we show a tool of exceeding lightness but of great strength, which is designed to do a greater variety of work than any other tool of the same price. It will accomplish all the work in cultivating needed to be done in a small kitchen garden—plowing, furrowing, covering, hoeing, raking and cultivating. This tool is emphatically a friend of the laborer or mechanic who can afford only to invest a small amount of money in a garden.



tool, and whose few moments in a garden must be devoted to "straight-ahead" work.

No. 20—"Iron Age" Wheel Hoe.

Weight, Boxed, 28 lbs. Price, \$6.00.

The No. 20 is the latest and most complete Single Wheel Hoe. The wheel is 16 in. high and has a broad faced tire $1\frac{3}{4}$ in. wide. It is securely held in position by two rigid arms which are made of tubing and coupled to malleable castings, to which the working tools and the handles are attached. Add for No. 4 Drill Seeder Attachment, for sowing seeds in rows only.....\$4.00
Add for No. 6 Hill and Drill Seeder Attachment, for sowing seeds in rows or hills..... 5.00

No. 9—"Iron Age" Single Wheel Hoe.

Weight, Boxed, 28 lbs. Price, \$5.25.

The same principle of construction is applied to this tool as contained in the popular No. 1 Iron Age Double Wheel Hoe.

The wheel is made of steel 16 inches high, and the frame is made of pipe coupled to malleable castings. While the tool is light, it is exceedingly strong. It is a great favorite in the kitchen and flower gardens.

With its various working tools, a great variety of work can be accomplished.

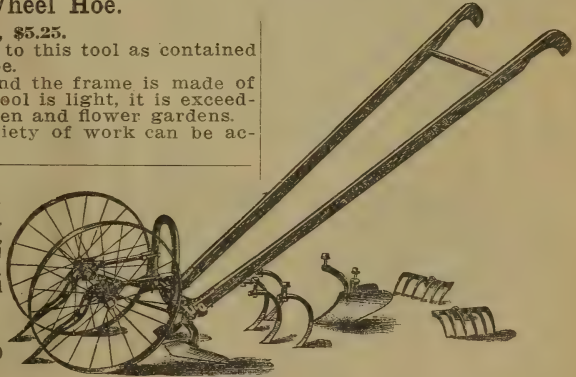
No. 1—"Iron Age" Double Wheel Hoe.

Weight, Boxed, 40 lbs. Price, \$7.00.

In cultivating onions, turnips, radishes, etc., this tool is invaluable, saves hours of hard labor, and does the work better than several men could do it in the same time. One great advantage is, that it can be made into a complete Single Wheel Hoe in a moment's time.

Add for the No. 4 "Iron Age" Drill Seeder Attachment, for sowing seeds in rows only.....\$4.00

Add for the No. 6 "Iron Age" Hill and Drill Seeder Attachment, for sowing seeds in rows or dropping in hills..... 5.00



No. 1—"Iron Age" Combined Harrow and Cultivator.

Packed, Weight, 60 lbs. Price, as in cut, \$5.00.

This tool seems to go "right to the spot" among the farmers over the whole land. As plainly shown in cut, the teeth are diamond shape with a small cultivator tooth forged on one end. In common with all good things, this tool has numerous inferior imitations, but for solid quality, design or finish, is not approached by them.



No. 6—"Iron Age" Horse Hoe and Cultivator.

With Furrow Closing Attachment, \$7.50.

Without Furrow Closing Attachment, \$6.25.

The No. 6 "Iron Age" Horse Hoe and Cultivator is truly a 20th century tool. It heads the procession. Its great adjustability adapts it for numberless uses and conditions.

The Furrow Closing Attachment is a special feature. It fills in that objectionable furrow or gutter left next the growing crops in all cases where an ordinary furrow tooth cultivator is used.



PLANET JR. GARDEN TOOLS

Space will not permit our showing and describing all of the "Planet Jr." tools, but we will send a fully illustrated catalogue free to any who desire it.

"Planet Jr." No. 1, Combined Drill Seeder and Wheel Hoe, Cultivator, Rake and Plow.



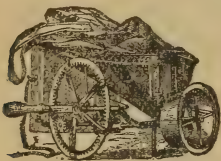
Weight, Boxed, 47 lbs.
Price, as shown in cut.....\$9.50
No. 2 Drill Seeder only,
weight, boxed, 38 lbs..... 7.50

**"PLANET JR." No. 11
Double Wheel Hoe,
Cultivator, Rake
and Plow.**



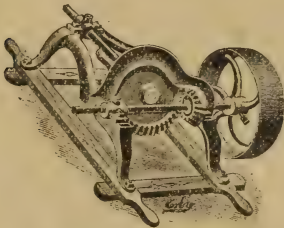
Weight, boxed, 38 lbs.....\$9.00
No. 12, same as above, but
has six tools less, weight
boxed, 32 lbs..... 7.00

**Cahoon's
Broadcast Seed Sower.**



Broadcasts 16 to 40 ft.
wheat, rye, oats, barley,
timothy, clover, millet, etc.
Price\$3.00

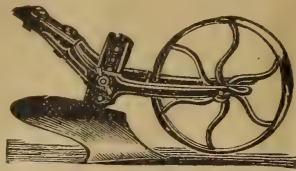
BEVEL GEARED JACKS.



Our Bevel Geared Jacks are composed of an iron bed frame, containing the bottom boxes for all the bearings, and are bolted to the wood frame, which make it impossible to get the bearings out of line by age or strains from staking down. They are speeded $2\frac{1}{2}$ to 1 and strong enough for eight horses.

	16 inch Pulley.	18 inch Pulley.	20 inch Pulley.
Iron Frame Bevel Gear Jack, weight 100 lbs.	\$9.10	\$9.42	\$9.75
Wood Frame Bevel Gear Jack, weight 80 lbs.	8.00	8.32	8.65

Fire-Fly Garden Plow.



Most useful in small gardens.
Weight, 13 lbs.

Price\$2.35

**"Planet Jr." No. 8, Horse Hoe
and Cultivator.**



Built to withstand incredible strain, yet is light, and easy to handle. Has patent depth regulator and lever expander. Weight 83 lbs.

Price, as in cut.....\$9.00

Planet Jr. No. 7. Similar to No. 8, except it has no depth regulator. Weight 78 lbs.....\$8.50

**"Planet Jr." No. 4, Combined
Hill and Drill Seeder, and
Single Wheel Hoe, Rake
and Plow.**



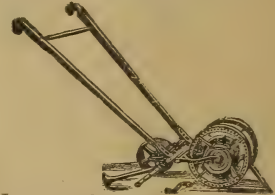
Sow in hills or in a row. Hopper holds 3 pints. Weight, boxed, 51 lbs.

Price, as seeder only.....\$ 9.00

Price, with rakes..... 11.00

"Planet Jr." No. 2, Drill Seeder.

Weight, boxed, 38 lbs.



Known the world over. The Sowing Cylinder holds $2\frac{1}{2}$ quarts. It sows evenly whether there is much or little in the hopper.

Price\$7.50

**Wheelbarrow Seeders.
12 or 14 ft. Hopper.**



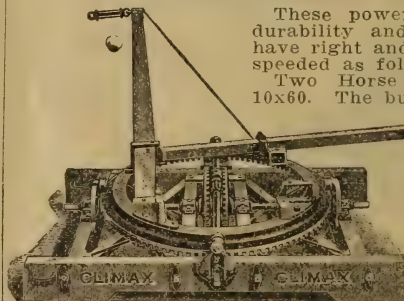
Sows clover, timothy, millet, alfalfa, flax, grain, etc. Sows 40 to 60 acres a day. Weight 40 lbs.

Price\$7.25

CLIMAX SWEEP POWERS.

These powers are built for durability and of light draft, have right and left motion and speeded as follows.

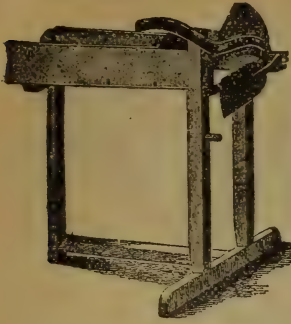
Two Horse 10x45, 4 Horse 10x60. The bull wheels have a heavy rib on the bottom, which is not found on other makes, to strengthen them against severe strains. We use steel shafts on all gears and pinions. The



frame is well braced and extra stay bolts in the cross frames to hold the twin gears in close mesh with center pinion; also extra travelers to the twin gears to prevent springing of shafts or slipping of cogs. Our 1 and 8 horse power have 4 sweeps each and the 2 horse has 2 sweeps and 2 leads, all sweeps with spring hitches and draft rods with turn buckles. All Climax Powers are furnished with 18 feet of tumbling rods, one slip and two rigid couplings.

Climax 2 Horse Power, weight 750 lbs.	\$32.00
Climax 4 Horse Power, weight 1100 lbs.	38.00
Climax 8 Horse Power, weight 1400 lbs.	56.00

FEED CUTTERS.



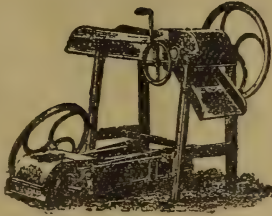
Lever Cutter.

For cutting feed for one horse or cow, we recommend our Lever Cutter. It is made with an adjustable gauge to regulate the length of cut. We now furnish an improved pattern of cutter. Weight 55 lbs. Price, \$3.25.

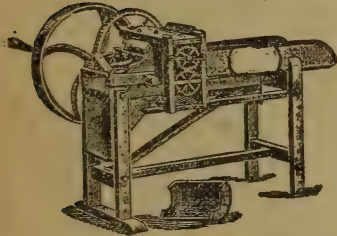
KOKOSING.

The K. D. Cutter.

It has one 11-inch knife, an automatic feed and can be changed in a moment to cut various lengths. Weight 175 lbs. Price, \$11.50.



CUMMINGS CUTTER No. 1.



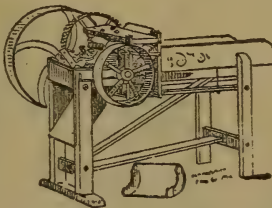
This cutter is a hand machine only and has three 8 3/4 in. knives. It has the upward cut, and the rocking feed roller. Length of cut 3/4 and 1/2 in. Capacity, 400 lbs. per hour.

Weight 200 lbs.

Price, \$13.90.

CUMMINGS CUTTER No. 2.

This cutter has four 10 in. knives, is intended for power but can be run by hand. We do not recommend it for hand use. Length of cut 3/4 and 1/2 in. Power required, two horse. Capacity, about 2,000 lbs. per hour of dry feed. Speed, 400 to 600 revolutions per minute.



Weight, 300 lbs.	.....\$21.50
Crusher Attachment. Weight, 180 lbs.	
Extra	10.95
Shredder Attachment. Weight, 150 lbs.	
Extra	13.50

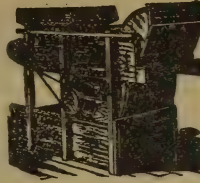
IMPROVED CUMMINGS CUTTER No. 3.

The No. 3 Cutter is intended for power only. It is made on the same lines as our smaller machines, being larger, heavier, and having capacity great enough to feed 40 to 60 head of stock. Equipped with three 12 in. knives; cut four lengths—1/4, 1/2, 3/4 and 1 in. Size of pulley, 14 in. diameter, 5 1/2 in. face; speed 400 to 600 revolutions; power required, two horse; capacity, 3,000 lbs. dry feed per hour.

Weight, 500 lbs.	.....\$30.00
Crusher Attachment. Weight, 200 lbs.	
Extra	14.50
Shredder Attachment. Weight, 200 lbs.	
Extra	19.00
12 Foot Carrier. Weight, 300 lbs. Extra	15.15

(If longer Carrier is wanted add 95c per foot.)

CLIPPER CLEANER.

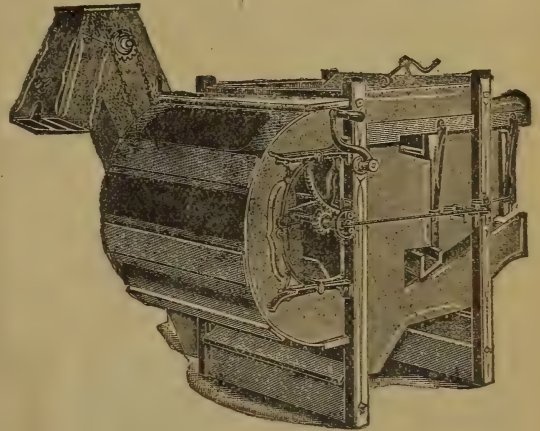


This machine cleans all kinds of seeds and grain to the highest possible grade. It has the best of zinc sieves, nine in number, requires no attachments for cleaning wheat, oats, barley, corn, beans, rice, buckwheat, flax, clover, millet, timothy and garden seeds.

It has spreading board, end shake, and the vertical blast, which are found in the Clipper and no other, which makes them the leading and standard cleaner of the United States and Canada. Weight 180 lbs.

Price, No. 1	.....\$21.50
Price, No. 2	.....29.00

"CREAM CITY" FANNING MILL.



The above cut represents our Cream City Fanning Mill with Bagging Attachment. Prices are quoted separately so mills can be ordered with or without baggers. This mill is a combined grain cleaner, grader and separator, used on all kinds of grain and seeds grown in this country.

The bagger holds 2 bags at once and the grain is elevated into them as fast as cleaned. On account of farm help being expensive and because this takes the place of 2 men we find a great demand for them. Baggers must be ordered at the same time as mill so they can be correctly fitted. Capacity, No. 1, 30 to 50 bushels per hour; No. 2, 50 to 60 bushels per hour.

Equipment: The regular outfit of screens sent with this mill consists of hurdle 1, 2 and 3 grades, No. 4 sieves and screens Nos. 5, 7 and 8 and chess-board No. 12 and with this equipment the mill will clean wheat, rye, oats, barley, kafir corn, sorghum, broom corn, hemp, buckwheat, and many other seeds of equal size.

Corn Sorting Attachment can be furnished with this mill. It takes out the butt, tip and faulty grains, leaving the perfect uniform grains.

Price, No. 1 Cream City, \$15.75; Bagger, \$6.50; Corn Sorting Attachment, \$3.50; Extra Sieves, 85c each.

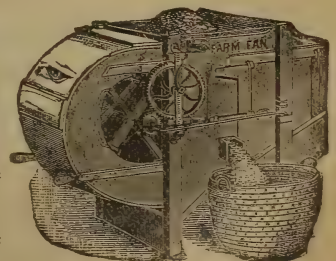
Price No. 2 Cream City, \$18.50; Bagger, \$7.50; Corn Sorting Attachment, \$4.00; Extra Sieves, 95c each.

EXCELSIOR FANNING MILL.

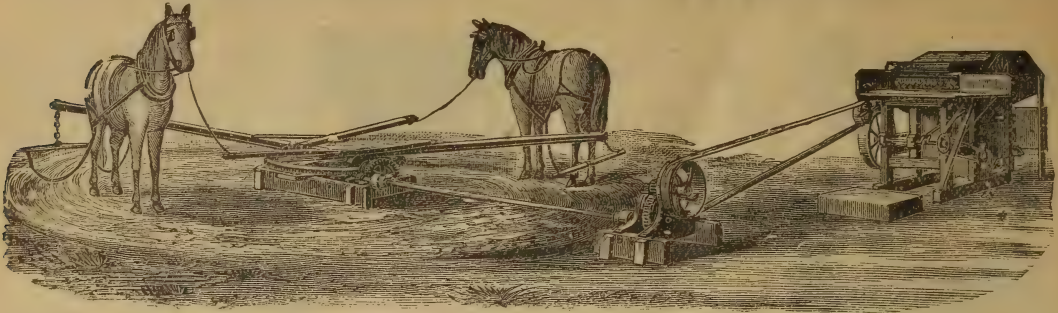
This mill is similar to the Cream City and has the same equipment.

Price No. 1, \$12.50
Extra Sieves, 85c each.

Price No. 2, \$16.50
Extra Sieves, 95c each.



Little Giant Thresher "Pennsylvania" No. 3.



It will thresh and clean from 75 to 125 bushels of wheat per day. When not wanted in use the little machine can be easily and quickly taken apart and stored in small space.

One-horse Direct Geared Level-tread Power, with Speed Regulator, Trestle and Bridge, with No. 3 Pennsylvania Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain. (Weight 2145 lbs.)
 Price\$195.00
 If 4 Wheel Truck for Tread Power is wanted, add\$35.00

Pennsylvania Thresher No. 3 (Weight 1050 lbs.)\$110.00
 Four-horse Climax Power, Tumbling Rods and Couplings (Weight 1100 lbs.) 38.00
 Iron Frame Bevel Gear Jack (Weight 100 lbs.) 9.75
 40 feet Rubber Belting, 3½ inch, 3-ply.... 5.60
\$163.35

Have had full satisfaction with our 1-horse level-tread power and our No. 3 Pennsylvania thresher. Have run the machine two seasons. One day we threshed 248 bushels of wheat, and have gone over 200 bushels several times, and threshed 186 bushels of oats in four hours, and can thresh 500 bushels of oats in one day with ease. We use mules weighing 1000 pounds each, and have one weighing 1200 pounds. We are doing nearly as much work as some can do with a two-horse outfit.

CARTER H. RICE,
 New Market, Madison Co., Ala.

We have had the Little Pennsylvania Thresher for 9 years and it is doing as good work as at the beginning. We can thresh from 300 to 500 bushels per day, using four horses on our level power. Last season I put six horses in the power and threshed 63 bushels of oats in one hour, just to convince a "doubting Thomas" that the machine would even do more than I claim for it. The machine has been entirely satisfactory.

P. S. LEBER, Sr.
 Leber, Pierce Co., Wash.

The little Giant thresher and cleaner No. 2 gives perfect satisfaction in rice threshing. I drive the machine with a six horse power engine, and have threshed 13,000 pounds of rice in a single day with satisfaction, and can recommend the machine. Have had the machine a number of years.

F. BRIGNAC,
 Litcher, St. James Co., La.

I am using your direct geared level tread 2 horse power with a No. 2 Little Giant thresher and cleaner. The thresher does splendidly in headed grain and I can save largely by doing my own threshing with this outfit. We can thresh when it suits us and not have to wait for others.

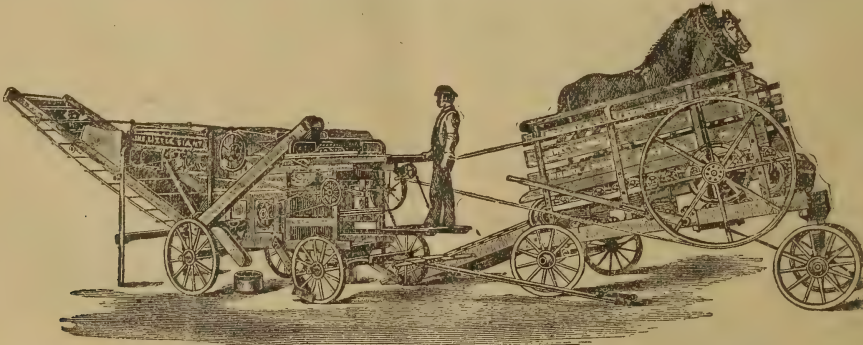
D. E. SEARS,
 Cheyenne Wells, Cheyenne Co., Colo.
 Stephenville, Texas, March 16, 1908.

Gentlemen—I will write you a few lines in regard to the No. 2 Giant thresher I purchased from you last year. Will say it works perfectly in all that I have tried it, including wheat, oats, peanuts, peas, with perfect results. Yours truly,
 R. D. No. 2. J. H. COX.

We furnish Attachments for threshing peas and beans at \$14.00 for No. 3 and \$18.00 for No. 2.

Heebner's Two-Horse Power Threshing Outfit.

The illustration shows our Two-Horse Direct Geared Level-Tread Power with No. 2 Little Giant Thresher and Cleaner. When sold in the West or Northwest the machine is generally ordered full rigged.



This machine has a capacity of from 200 to 500 bushels per day, the quantity being determined by the weight of the team, the length of the straw, the condition the straw is in (whether dry or damp), the yield of grain per acre, etc. Our estimates as to the capacity of the thresher is based on wheat.

PRICES WITH TREAD POWER.

Two-Horse Direct Geared Level-Tread Power with Speed Regulator, Trestle and Bridge, with No. 2 Little Giant Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain (Weight 3300 lbs.)\$290.00

The same mounted on wheels (Weight 4600 lbs.) 380.00

The same also with Mountings, Tailings Elevator, 14 foot Straw Stacker and Elevating Jack (Weight 4800 lbs.) 425.00

PRICES WITH SWEEP POWER.

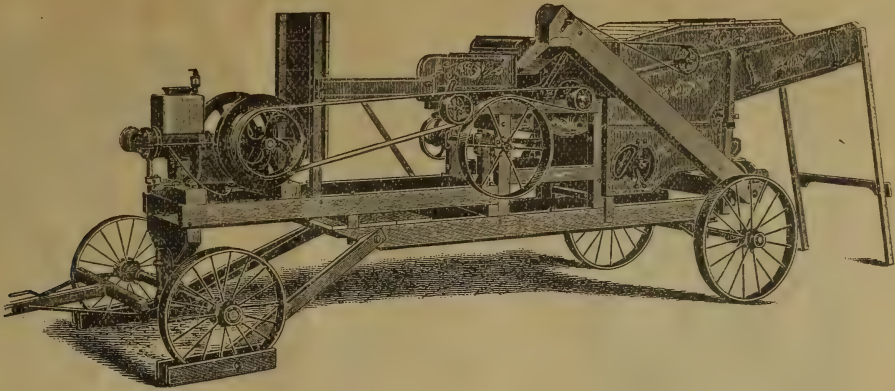
No. 2 Little Giant Thresher and Cleaner (Weight 1500 lbs.)\$160.00
 Four-Horse Climax Power, Tumbling Rods and Couplings (Weight 1100 lbs.) 38.00
 Iron Frame Bevel Gear Jack (Weight 100 lbs.) 9.75
 50 feet Rubber Belting, 4 inch, 4-ply..... 8.00

\$215.75

If Trucks are wanted for Thresher (Weight 650 lbs.), add..... 35.00

If Tailing Elevator is wanted (Weight 200 lbs.), add 15.00

If 14 foot Straw Stacker is wanted, add... 20.00



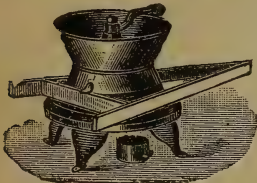
The Heebner "Pennsylvania" Thresher and Cleaner, with Bagger and Tailings Elevator, and the Heebner-Lauson 2 1/2-H.-P. Gasoline Engine. Mounted on one truck. An ideal outfit for threshermen who thresh small crops. Thresher and engine always in line, and can commence in five minutes after "pulling" in barn or alongside of grain stack. Straw carrier furnished if desired. Weights: Thresher and Cleaner, 1050 lbs.; Bagger, 80 lbs.; Tailings Elevator, 60 lbs.; Engine (2 1/2-H.-P.), 525 lbs.; Truck, 1000 lbs. Price, complete, \$375.00.

If a Thresher and Cleaner and Gasoline Engine is wanted without Truck, Bagger and Tailings Elevator, the price is as follows:

1 No. 3 Pennsylvania Thresher and Cleaner	\$110.00
1 2 1/2-H. P. Heebner-Lauson Engine	125.00
40 foot Belt	5.60
	\$240.60

If larger Outfit is wanted, write for prices.

CORN AND COB MILL.

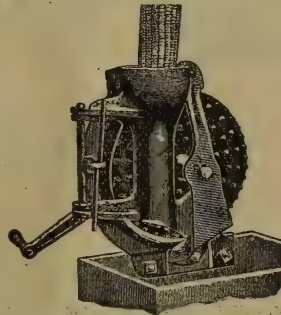


Blue Valley No. 2. Is designed to grind corn, cobs and shelled corn. Capacity 6 to 12 bu. per hour, depending on how fast the horses walk and condition of the grain. Weight 425 lbs...\$22.50

Blue Valley No. 1. Capacity 12 to 20 bu. per hour. Weight 675 lbs. Price\$26.50

CHAMPION BALL-BEARING SHELLER.

Will shell any corn that grows. Is readily adjusted to shell small or large ears. Made of the best material. The power gained by using Ball Bearings (thirty hardened steel balls one-fourth inch diameter in every machine) makes it run very easy and saves the expense of a heavy balance wheel, without suffering loss in capacity and ease of operation. By an ingenious arrangement the machine can be fastened to any box or plank in half a minute. A single thumb-screw strap holds it securely in place. Weight 12 lbs. Price, only \$2.00.

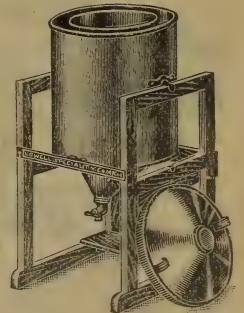


FARM BELLS.



No.	Complete	Wt.	Price.
1.		40 lbs.	\$1.50
2.		50 lbs.	1.95
3.		75 lbs.	2.75
4.		100 lbs.	3.45

PURITAN SEPARATOR.



This Separator does the work of raising cream in about three hours without any labor on the part of the operator. As long as you get your separator cleaned and ready for the next milking, that is absolutely all that the work requires. Weight 31 lbs. Price, \$7.00.

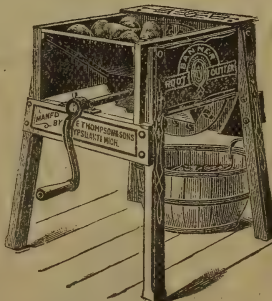
STEAM FEED. COOKERS.



Kalamazoo No. 1. Wt. 360 lbs....\$21.50

Kalamazoo No. 2. Wt. 430 lbs.... 22.75

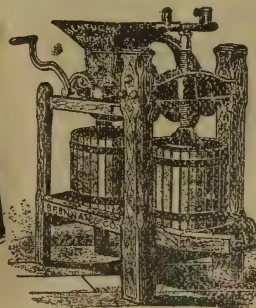
BANNER ROOT CUTTER.



No. 20. For hand power. Capacity 30 to 50 bu. per hour. Weight 120 lbs. Price, \$9.00.

No. 15. Power or hand. Capacity 60 to 80 bu. per hour. Weight 115 lbs. Price, \$10.50.

CIDER MILLS.



	Weight,	
	lbs.	Price.
Junior,	150	\$11.50
Senior,	300	18.00
Medium,	350	14.00

BRANDT COMPRESSED AIR SPRAYER

The Brandt Sprayer is made on a new principle. Instead of pumping air into the reservoir before starting, the pumping is done during the process of work, so that the pressure is at all times under control. One stroke will spray from 15 to 25 hills of potatoes. The solution is distributed evenly, and one filling (3 gallons) of Paris Green mixture will spray a row of potatoes one mile long. The tank is made of galvanized steel.

Price, \$5.00. If fitted with 2 nozzles to spray 2 rows at one time, \$6.50.

THE LOWELL SPRAYER.

A compressed air sprayer. Works very easy and rapid. The action of the air keeps the solution thoroughly stirred. It has a funnel shaped head, making it handy for filling. The amount of spray is easily governed by simply pressing the thumb valve with a quick or slow motion. The spray can be turned in any direction by turning the spray cock as desired. One filling will spray 400 hills of potatoes. With the 4-foot hose attachment you can easily spray into the tops of the highest fruit trees. It is thoroughly riveted and will stand a pressure of 50 pounds. All working parts are made of brass. Fully guaranteed. Weight, packed, 12 lbs.

Galvanized Iron, \$4.50; with fruit tree attachment, \$5.00.

Brass tank, \$5.50; with fruit tree attachment, \$6.00.

LOWELL BLOW POWDER SPRAYER.

In some sections potato growers, stock and poultry raisers prefer to use Paris Green and disinfectants in powder form mixed with dry plaster. To meet such a demand the "Blow" Sprayer is recommended. The powder can hold 1 quart. Price, 75c.

NEW ERA TRI-JET SPRAYER.

This Sprayer embodies the principle of the ordinary atomizer and is new only in the application of same to a new use. Throws the finest kind of a mist spray. Just the thing for spraying disinfectants.

Price—Galvanized Reservoir, 45c; prepaid, 80c; brass reservoir, 75c; prepaid, \$1.10.

THE PARKS SPRAYER.

A simple and inexpensive device consisting of a heavy tin tube air pump and a glass jar as a receptacle for the spraying compound. The article inside of jar is a mixer or agitator for the liquid.

Price, 75c; prepaid, \$1.25.

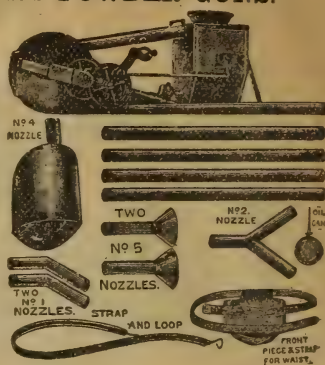
LEGGETT'S DRY POWDER GUNS.**The Champion Duster.**

Weight 6 pounds; boxed for shipment, 15 lbs. Outfit consists of 4 tubes, 6 nozzles, 2 straps and oil can. Reservoir holds 4 lbs. Paris Green or over 1 qt. Powder. Price, \$7.50.

The Little Giant Duster.

Weight 6 pounds; boxed for shipment, 12 lbs. Outfit consists of 3 tubes, 5 nozzles and strap. Reservoir holds nearly a quart of Powder.

Price, \$5.50.

**THE AUTO-SPRAY.**

A few strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for 9 minutes. This means that the "Auto-Spray" can be charged in 15 seconds, when it will work uninterruptedly long enough to spray a quarter-acre of potatoes.

"Auto-Spray" is the most suitable machine for small fruits, potatoes, and for use as a Fire Extinguisher. It may also be used in spraying small orchards, and we know of one case where it was used to spray 1,200 trees in one season.

"Auto-Spray" is made in both galvanized steel and brass. We also furnish extension pipes, in 2 foot lengths. Weight, packed, 12 lbs.

Galvanized Steel Tanks, \$4.50; Brass Tank, \$6.00.

EXTENSION RODS.

Two-foot Galvanized Steel, each 30c; brass, each 35c.

Extra Elbow Connection, each 35c.

BARREL CART WITH LEVER CLOCK PUMP.

For spraying orchards, a Spray Pump that can be placed on any oil barrel makes a convenient and cheap outfit. The apparatus may then be placed on a wagon or attached to cart, as shown in the cut. In placing it on a wagon, the greatest economy of time may be obtained when two persons are engaged in spraying, one to drive and the other to do the spraying. By using the Barrel Cart only one person is necessary.

Price, Pump with 9 feet Suction Hose and 3 feet Discharge Hose and Nozzle, without Barrel and Cart; Weight 70 lbs. \$15.50

HILL'S KNAPSACK SPRAYER.

Ten acres a day, hills or drills. Two rows at a time as fast as a man can walk. It covers each plant with a finely divided spray of any liquid, insecticide or disinfectant. No pumping, the arms hang naturally at the side; the wide thin tank brings the weight close to the operator's back. The tank is best galvanized iron and the spray nozzles all brass. Weight 7 lbs. Price, \$3.50.

Family Cobbler No. 1.



A complete outfit of tools for boot, shoe, rubber, harness and tinware repairing. Contents: 40 articles packed in a neat, strong box. Every family wants one. Weight 15 lbs. Price, \$1.35.

Family Cobbler No. 2.

Consisting of 33 first class tools and materials, shown in cut. Weight 12 lbs. Price, \$1.00.

SLUG SHOT OR PLASTER SIFTER.



With this Sifter one can cover 8 to 10 acres a day.

No. 1—2 qt.	35c
No. 2—4 qt.	50c
By mail—No. 1.	50c
By mail—No. 2.	70c



RAT TRAP.
25c prepaid.

SOMETHING USEFUL FOR FARMERS AND GARDENERS.

Shoe Economy. Foot Comfort.

Saves shoes and boots. Makes digging and spading easy. Takes all the strain off the feet, working on rough or broken ground. Every man walking behind the plow, harrow, wheelhoe or cultivator should wear them.

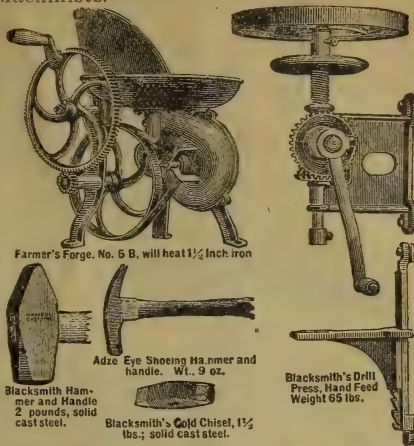
Edman Easy Instep and Shoe Protector.



Light, strong, durable. Straps on like a skate. Has Calks to prevent slipping. Cannot come off or work loose. Feels good on the foot. Each 40c; pair 75c, postpaid.

The Cyclone Kit of Tools.

For Farmers, Stockmen, Planters and Machinists.



Farmer's Forge. No. 5 B. will heat 1 1/2 inch iron

Adze Eye Shoeing Hammer and handle. Wt. 9 oz.

Blacksmith Hammer and Handle 2 pounds, solid cast steel.

Blacksmith's Cold Chisel, 1 1/2 lbs.; solid cast steel.

Blacksmith's Drill Press. Hand Feed Weight 55 lbs.

Farrier's Knife, Woosterholm

Blacksmith's Hot Chisel, 1 1/2 lbs. solid cast steel.

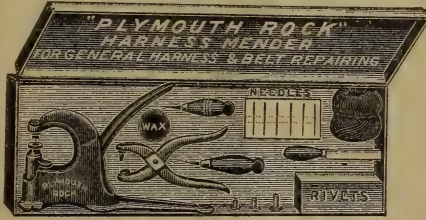
Farrier's Pincers, Cast Steel, 12 inch.

Screw Plate, 3 Taps, 3 Set Dies, Cut 1/2, 3/4 and 1 inch.

Blacksmith's Tongs, Wrought Iron, 18 inches.

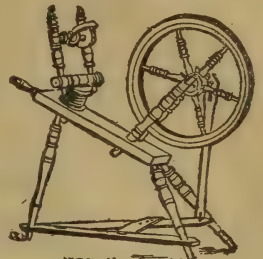
Combination Anvil and Vice, hardened face, fine polished; weight 55 pounds.

Save Time! Save Trouble!! Same Money!!!
Complete, only \$19.50.
Packed, Weight about 160 lbs.



A complete outfit of tools for general harness and belt repairing, including a "Plymouth Rock" Riveting Machine. \$1.00.

FARMERS' SPINNING WHEEL.



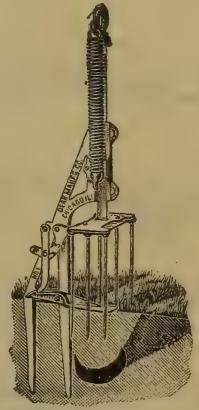
Made of the best hardwood, strong and durable. Weight 15 lbs. Price, \$5.25. Wool cards, per pair....60c. Wool cards, by mail....75c

BLIZZARD POWDER CANS.



Holds 2 ounces of powder. Made with a screw cap instead of a cork. Price, postpaid, 15c.

OLMSTEDT MOLE TRAP.

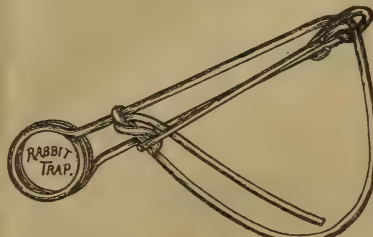


Directions for setting are cast on the frame. Each, \$1.50; 3 for \$3.75.



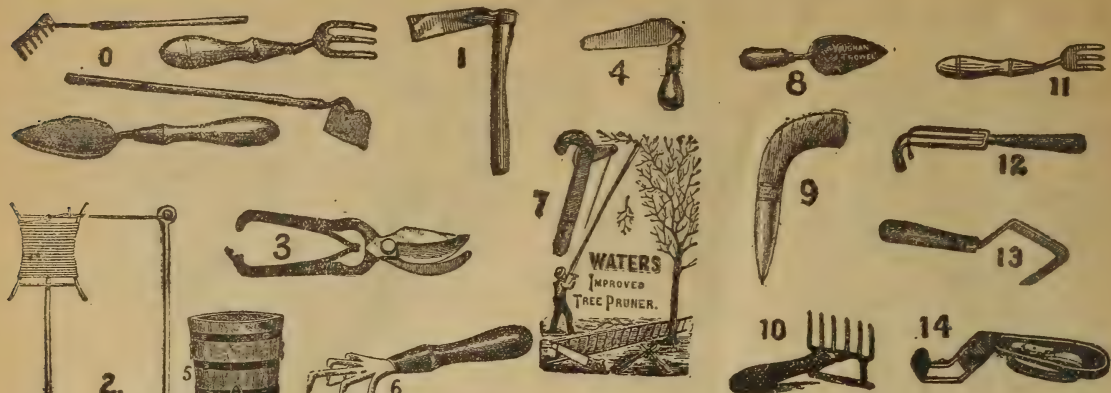
GOPHER TRAP.
30c Postpaid.

"STOP THIEF" TRAP.



Kills and saves fur.
No. 1—For Rats and Squirrels, 25c prepaid.
No. 2—For Mink and Marten, 33c prepaid.
No. 3—For Skunks, Raccoons, etc., 42c prepaid.

Not Prepaid.
No. 1, doz., \$2.00; No. 2, doz., \$2.50; No. 3, doz., \$3.10



MISCELLANEOUS HAND TOOLS.

Fig. 0. LADIES' FLORAL SET. A handy and convenient set of four tools. Price, complete, 65c; by mail, 80c.

Fig. 1. Tomato Transplanting Hoe. A short handled hoe for transplanting tomatoes or other large plants. Price, 60c.

Fig. 2. Garden Line Reel. Useful to every Trucker, Gardener or Farmer. Price, small, 50c; large, 75c.

Fig. 3. Pruning Shears. Price, 55c; by mail, postpaid, 80c.

Fig. 4. Transplanting Trowel. Useful in transplanting small plants. Price, 40c; 3 for \$1.10.

Fig. 6. Excelsior Hand Weeder. A handy tool. Price, 10c; by mail, 15c.

Fig. 7. Waters' Tree Pruner. Nothing better on the market. Price, with 6 ft. pole, 75c; with 8 ft. pole, 90c; with 10 ft. pole, \$1.00; Extra Knives, each, 20c.

Fig. 8. Garden Trowels, English Steel. 6 inch, each, 25c; by mail, 35c.

Fig. 8. Garden Trowels, Ordinary. 7 inch, each, 15c; by mail, 23c.

Fig. 9. Garden Dibble. Not the cheap kind. Point is made of the best tempered steel. Each, 35c; by mail, 46c.

Fig. 10. Combined Weeder. A simple but handy tool. Each, 25c; by mail, 25c.

Fig. 11. Garden Fork. Common. Each, 10c; by mail, 16c.

Fig. 12. Eureka Weeder. The best Weeder for loosening soil around plants that we know of. Short handled, each, 25c; long handled, each, 35c.

Fig. 13. Hazletta Weeder. Useful instrument. Each, 20c; by mail, 26c.

Fig. 14. Lang's Hand Weeder. This has proven itself an actual labor saver. Price, each, 20c; by mail, 25c.

Fig. 15. Acme Corn Planter. With Pumpkin Seed Attachment. Price, each, \$1.00.

Fig. 15. Triumph Corn Planter. Weight, 7 lbs. Has Pumpkin Seed Attachment. Price, each, 90c.

Fig. 16. The Bateman Hoe. Beveled edges, oil tempered, light and strong. Just the thing for purposes almost innumerable. Price, No. 1, 5½ inches, \$1.00; 3 for \$2.75; No. 2, 6½ inches, \$1.10; 3 for \$3.00. No. 3, 8 inches, \$1.25; 3 for \$3.25.

Fig. 18. Eureka Corn Knife. Forged under the hammer from a solid piece of steel; hardened in oil and tempered in metal. Price, each, 50c; by mail, 80c.

Fig. 19. Dandelion Puller. A handy tool for weeding lawns. Price, each, 50c; by mail, 75c.

Fig. 20. Pruning Saw. Holes are provided in the handle for attaching to a pole. Price, each, \$1.00; by mail, \$1.25.

Fig. 21. Columbus Whetstone. Has been awarded first prize at all International Fairs. Made of aluminum clay. It will sharpen scythes and all other tools and kitchen cutlery. Price, each, 25c; 3 for 60c; postpaid.

Fig. 22. Hot Bed Thermometer. Wooden frame with brass point, tested. Price, each, \$2.00.

Fig. 23. Asparagus Knife. Made of the best material. Will not break. Price, each, 50c; by mail, 60c.

Fig. 24. Vine Cutter. For cutting vines of sweet potatoes, runners of strawberries, etc. Saves the back. Price, 55c; 3 for \$1.50.

Fig. 25. Imported Hammered Scythes. Forged under the hammer from one solid piece of steel, hardened in oil and tempered in metal. Price, No. 8, 30 inches, each, \$1.00; by mail, \$1.35; No. 8½, 32 inch, each, \$1.10; by mail, \$1.50; No. 9, 34 inch, each, \$1.20; by mail, \$1.60.

Fig. 26. Glass Tank Atomizer. Holds about 2 ounces of liquid. Useful for spraying plants, sprinkling clothes, disinfecting and exterminating. Price, each, 50c; by mail, 65c.

Fig. 27. Acme Tubular Potato Planter. Each, \$1.25.

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